

R. C. Patel Educational Trust's **R. C. Patel Arts, Commerce and Science College Shirpur-425405,** Karvand Naka, Dist.- Dhule (Maharashtra) E-mail - principal@rcpasc.ac.in

Affiliated to: K. B. C. North Maharashtra University, Jalgaon-425001

Self Study Report (SSR): 2024 (4th Cycle)



Criteria - 2 Teaching- Learning and Evaluation

Key Indicator – 2.6 Student Performance and Learning Outcome

Metric No. - 2.6.2 (QIM)

Attainment of POs and COs are evaluated.

Submitted to

National Assessment and Accreditation Council, Bangalore



Date: 15/06/2024

Declaration

This is to declare that, the information, reports, true copies of the supporting documents, numerical data etc. submitted in these files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the office record.

This declaration is for the purpose of NAAC accreditation of the HEI for the 4th cycle assessment period 2018-19 to 2022-23.

Place: Shirpur

Date: 15/06/2024

Dr. Sandip P. Patil IQAC Co-ordinator IQAC Coordinator R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist.-Dhule (M.S.) 425405



Dr. D. R. Patil IQAC Chairman & Principal PRINCIPAL R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist.-Dhule (M.S.) 425405

Sr. No.	Particulars	Page No
	Arts & Humanities (UG)	
1.	Marathi	2-6
2.	Hindi	7-11
3.	English	12-16
4.	History	17-21
5.	Geography	22-26
6.	Defence Studies	27-31
7.	Economics	32-36
8.	Political Science	37-41
9.	Psychology	42-46
	Commerce & Management (UG)	
1.	BMS(e-comm.)	47-51
2.	BCA	52-56
3.	B.Com (UG & PG)	57-66
	Science & Technology (UG & PG)	
1.	Computer	67-75
2.	Mathematics	76-85
3.	Physics	86-95
4.	Microbiology	96-105
5.	Biotechnology	106-115
6.	Botany	116-122
7.	Chemistry	123-132
8.	Zoology	133-139
9.	Gold Medal Students at University (2018-23)	140-152
10.	Topper List (2018-23)	153-177

		Attain	ment of Cours	e Outcome						
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	MAR(G-3)	Vandmaya Prakar- Natak	84.21	3	1.8	100	3	1.2	3	100
SEM V	MAR(S-3)	Aadhunik Marathi Vadmayacha Abhyas (1920 to 1960)	87.5	3	1.8	100	3	1.2	3	100
	MAR(S-4)	Bhasha Vidnyan	87.5	3	1.8	100	3	1.2	3	100
-	MAR(G-3)	Vandmaya Prakar- Natak	82.3	3	1.8	100	3	1.2	3	100
SEM	MAR(S-3)	Aadhunik Marathi Vadmayacha Abhyas (1920 to 1960)	86.2	3	1.8	100	3	1.2	3	100
VI	MAR(S-4)	Bhasha Vidnyan	84.3	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.A.- Marathi Department)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program Outcome Att	ainment	1	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Dept. of Marathi R.C. Patel Arts, Com. & Science College Shirpur.

Principal

R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainme nt	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	MAR(G-3)	Vandmaya Prakar- Natak	100	3	1.8	100	3	1.2	3	100
SEM V	MAR(S-3)	Aadhunik Marathi Vadmayacha Abhyas (1920 to 1960)	87.5	3	1.8	100	3	1.2	3	100
	MAR(S-4)	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
	MAR(G-3)	Vandmaya Prakar- Natak	100	3	1.8	100	3	1.2	3	100
SEM	MAR(S-3)	Aadhunik Marathi Vadmayacha Abhyas (1920 to 1960)	87.5	3	1.8	100	3	1.2	3	100
VI	MAR(S-4)	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019 - 20 (B.A.- Marathi Department)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

and the second		Program Outcome Att	ainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100





Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	MAR(DSC)	Ekankika Lekhancha Abhyas	90.2	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Madhyayugin Marathi Vadmayacha Abhyas	85.5	3	1.8	100	3	1.2	3	100
051411	MAR(DSE)	Marathcha Bhashik Abhyas	80	3	1.8	100	3	1.2	3	100
SEM V	MAR(GE)	Marathi Lok-rangbhumi	86.5	3	1.8	100	3	1.2	3	100
	MAR(MIL)	Dhruk-Shrav Madhyamsathi Lekhan v Sanwad	87	3	1.8	100	3	1.2	3	100
	MAR (SEC)	Lekhan Kaushalya Nibhanlekhan	88	3	1.8	100	3	1.2	3	100
	MAR(DSC)	Lalit Gaddya Lekhancha Abhyas	92.5	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Madhyayugin Marathi Vadmayacha Abhyas	84.62	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Marathcha Bhashik Abhyas	92.85	3	1.8	100	3	1.2	3	100
SEM VI	MAR(GE)	Marathi Lok-rangbhumi	94.12	3	1.8	100	3	1.2	3	100
	MAR(MIL)	Aadhunik Samaj Madhyamsathi Lekhan v Sanwad	93.85	3	1.8	100	3	1.2	3	100
	MAR (SEC)	Lekhan Kaushalya Granth lekhan Parikshan	81.82	3	1.8	100	3	1.2	3	100
	-				1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020 -21 (B.A.- Marathi Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome Attai	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100
R	Head Dept. of Marat C. Patel Arts, Com. & Scie		R. C. Pa Scie	Principal Tel Arts, Comm nce College, Sh	erce and

4 |

Semester (Theory /Practica l)	Course Code	Course Title		nment of Course % of Students Passed in External Esam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Levelot	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3		4	5	6	7	8	9	10=6+9	11
	MAR(DSC)	Ekankika Lekhancha Abhyas		100	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Madhyayugin Marathi Vadmayacha Abl	ıyas	100	3	1.8	100	3	1.2	3	100
SEM	MAR(DSE)	Marathcha Bhashik Abhyas		100	3	1.8	100	3	1.2	3	100
V	MAR(GE)	Marathi Lok-rangbhumi		95.65	3	1.8	100	3	1.2	3	100
	MAR(MIL)	Dhruk-Shrav Madhyamsathi Lekhan v Sa	anwad	96.13	3	1.8	100	3	1.2	3	100
	MAR (SEC)	Lekhan Kaushalya Nibhanlekhan		100	3	1.8	100	3	1.2	3	100
	MAR(DSC)	Lalit Gaddya Lekhancha Abhyas	-	98	3	1.8	100	3	1.2	3	100
İ	MAR(DSE)	Madhyayugin Marathi Vadmayacha Abl	iyas	87.5	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Marathcha Bhashik Abhyas		98	3	1.8	100	3	1.2	3	100
SEM VI	MAR(GE)	Marathi Lok-rangbhumi		94.5	3	1.8	100	3	1.2	3	100
VI	MAR(MIL)	Aadhunik Samaj Madhyamsathi Lekhan	v Sanwad	89.75	3	1.8	100	3	1.2	3	100
Ì	MAR (SEC)	Lekhan Kaushalya Granth lekhan Pariksi	nan	100	3	1.8	100	3	1.2	3	100
						1.80		1.1.1	1.20	3.00	100
Level1	<45% of st	udents scoring more than average marks				Program Ou	the second s	and a second			
Level2		students scoring more than average marks	Aver Attainm	ient by Attain	erage iment by	60% of Avera Attainment by I	Direct	0% of Average Attainment by	Attainm		ttainment
Level3	>60% of st	udents scoring more than average marks	Direct M	Iethod Indired	t Method	Method	I	direct Method			
	-		3.00	3	3.00	1.80		1.20	3.00		100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.A.- Marathi Department) Attainment of Course Outcome

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head Dept. of Marathi R.C. Patel Arts, Com. & Science College Shirpur. YIRPU

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

5 |

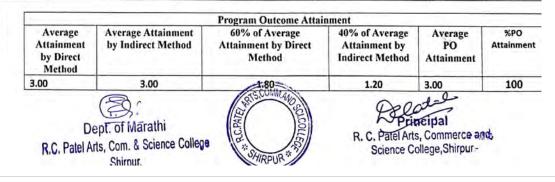
-

iemester Theory Practical)	Course Code	Course Title	nment of Cour % of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	- 2	3	4	5	6	7	8	9	10=6+9	11
	MAR(DSC)	Ekankika Lekhancha Abhyas	92.7	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Madhyayugin Marathi Vadmayacha Abhyas	87.5	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Marathcha Bhashik Abhyas	75	3	1.8	100	3	1.2	3	100
SEM V	MAR(GE)	Marathi Lok-rangbhumi	86.02	3	1.8	100	3	1.2	3	100
	MAR(MIL)	Dhruk-Shrav Madhyamsathi Lekhan v Sanwad	84.2	3	1.8	100	3	1.2	3	100
	MAR (SEC)	Lekhan Kaushalya Nibhanlekhan	88	3	1.8	100	3	1.2	3	100
	MAR(DSC)	Lalit Gaddya Lekhancha Abhyas	85.71	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Madhyayugin Marathi Vadmayacha Abhyas	87.5	3	1.8	100	3	1.2	3	100
	MAR(DSE)	Marathcha Bhashik Abhyas	87.5	3	1.8	100	3	1.2	3	100
SEM	MAR(GE)	Marathi Lok-rangbhumi	90.47	3	1.8	100	3	1.2	3	100
VI	MAR(MIL)	Aadhunik Samaj Madhyamsathi Lekhan v Sanwad	89.65	3	1.8	100	3	1.2	3	100
	MAR (SEC)	Lekhan Kaushalya Granth lekhan Parikshan	87.5	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.A.- Marathi Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



· ·

· ·

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Hindi G3	Samanya Hindi	96.50	3	1.8	100	3	1.2	3	100
SEM V	Hindi S3	Hindi Sahitya ka Itihas	98.25	3	1.8	100	3	1.2	3	100
	Hindi S4	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
	Hindi G3	Samanya Hindi	100	3	1.8	100	3	1.2	3	100
0004 10	Hindi S3	Hindi Sahitya ka Itihas	100	3	1.8	100	3	1.2	3	100
SEM VI	Hindi S4	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
	11.2	1.0.2			1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.A Hindi)

Level1<45% of students scoring more than average marks</td>Level245-60% of students scoring more than average marksLevel3>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Progra	m Outcome Attain	nent	1	5. S. S. S.
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainmen
3.00	3.00	1.80	1.20	3.00	100



R. C. Patel Arts, Commerce and

-			Attainn	nent of Cou	rse Outcome			-		%CO
Semester Theory/Prac tical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Hindi G3	Samanya Hindi	95.15	3	1.8	100	3	1.2	3	100
SEM V	Hindi S3	Hindi Sahitya ka Itihas	91.50	3	1.8	100	3	1.2	3	100
	Hindi S4	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
	Hindi G3	Samanya Hindi	100	3	1.8	100	3	1.2	3	100
Sec. Sec.	Hindi S3	Hindi Sahitya ka Itihas	100	3	1.8	100	3	1.2	3	100
SEM VI	Hindi S4	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
1				1.221	1.80			1.20	3.00	100

Level1	<45% of students scoring more than average marks		
Level2	45-60% of students scoring more than average marks	Average Attainment	Average A by Indire
Level3	>60% of students scoring more than average marks	by Direct Method	

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3			
Level4	2.0>2.5		
Level5	2.5>3.0		

		Program Outcome Atta	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Arts, Com Bea ET'S R.C. PRINCIPAL R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist-Dhulo (14 S) 425405 SEAL Head of Department Shirpure

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Hindi-351-A	Vishesh Vidha – Yatra Sahitya	94.15	3	1.8	100	3	1.2	3	100
SEM V	Hindi-352	Hindi Sahitya ka Itihas(Aadikal, Bhaktikal Aur Ritikal)	95.50	3	1.8	100	3	1.2	3	100
	Hindi-353	Hindi Bhasha ka Vikas	89.22	3	1.8	100	3	1.2	3	100
	Hindi-354	Hindi Vyakaran tatha Abhivyakti Kaushalya	100	3	1.8	100	3	1.2	3	100
	Hindi-355	Sampadan Lekhan aur Sahitya (Mudrit Madhyam)	98.50	3	1.8	100	3	1.2	3	100
	Hindi-356	Hindi ki Rashtriya Kavyadhara	100	3	1.8	100	3	1.2	3	100
	Hindi-361-A	Vishesh Vidha - Bharatiya Sant Kavya	97.50	3	1.8	100	3	1.2	3	100
	Hindi-362	Hindi Sahitya ka Itihas(Aadunikkal)	94.12	3	1.8	100	3	1.2	3	100
SEM VI	Hindi-363	Bhasha Vidnyan	94.12	3	1.8	100	3	1.2	3	100
	Hindi-364	Hindi Bhasha ka Mankikaran aurAshuddhi Shodhsan	100	3	1.8	100	3	1.2	3	100
	Hindi-365	Hindi Senema aur Sahitya (Electronic Madhyam)	100	3	1.8	100	3	1.2	3	100
	Hindi-366	Khandesh ka Lok Sahitya	100	3	1.8	100	3	1.2	3	100
					180			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (B.A Hindi)

Level1	<45% of studen	<45% of students scoring more than average marks				
Level2	45-60% of stud	45-60% of students scoring more than average mark				
Level3	>60% of students scoring more than average marks					
Program Outcome Level		Target Attainment				
	Level1	0.5>1.0				
	Level2	1.0>1.5				
Level3 Level4		1.5>2.0				
		2.0>2.5				
	Level5	2.5>3.0				

1.000		Program Outcome Atta	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term eIam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Hindi-351-A	Vishesh Vidha – Yatra Sahitya	100	3	1.8	100	3	1.2	3	100
SEM V	Hindi-352	Hindi Sahitya ka Itihas(Aadikal, Bhaktikal Aur Ritikal)	92.22	3	1.8	100	3	1.2	3	100
	Hindi-353	Hindi Bhasha ka Vikas	95.50	3	1.8	100	3	1.2	3	100
	Hindi-354	Hindi Vyakaran tatha Abhivyakti Kaushalya	100	3	1.8	100	3	1.2	3	100
	Hindi-355	Sampadan Lekhan aur Sahitya (Mudrit Madhyam)	100	3	1.8	100	3	1.2	3	100
	Hindi-356	Hindi ki Rashtriya Kavyadhara	94.33	3	1.8	100	3	1.2	3	100
	Hindi-361-A	Vishesh Vidha - Bharatiya Sant Kavya	94.12	3	1.8	100	3	1.2	3	100
	Hindi-362	Hindi Sahitya ka Itihas(Aadunikkal)	100	3	1.8	100	3	1.2	3	100
SEM VI	Hindi-363	Bhasha Vidnyan	100	3	1.8	100	3	1.2	3	100
	Hindi-364	Hindi Bhasha ka Mankikaran aur Ashuddhi Shodhsan	100	3	1.8	100	3	1.2	3	100
111	Hindi-365	Hindi Senema aur Sahitya (Electronic Madhyam)	100	3	1.8	100	3	1.2	3	100
	Hindi-366	Khandesh ka Lok Sahitya	98.18	3	1.8	100	3	1.2	3	100
	1			1.000	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.A Hindi)

Level1	<45% of students so	coring more than average man	ks	· · · · · · · · · · · · · · · · · · ·	P	rogram O
Level2	45-60% of students	scoring more than average m	arks	Average Attainment by	Average Attainment by	60% of Attain
Level3	>60% of students so	coring more than average mar	ks	Direct Method	Indirect Method	Direct
Progra	m Outcome Level	Target Attainment		3.00	3.00	1.3

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	I	Program Outcome A	ttainment		
Average Attainment Direct Meth	by Attainment by	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

SHIRF

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Attainment of Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Hindi-351-A	Vishesh Vidha – Yatra Sahitya	87.50	3	1.8	100	3	1.2	3	100
SEM V	Hindi-352	Hindi Sahitya ka Itihas(Aadikal, Bhaktikal Aur Ritikal)	78.57	3	1.8	100	3	1.2	3	100
	Hindi-353	Hindi Bhasha ka Vikas	85.71	3	1.8	100	3	1.2	3	100
	Hindi-354	Hindi Vyakaran tatha Abhivyakti Kaushalya	78.57	3	1.8	100	3	1.2	3	100
	Hindi-355	Sampadan Lekhan aur Sahitya (Mudrit Madhyam)	63.88	3	1.8	100	3	1.2	3	100
	Hindi-356	Hindi ki Rashtriya Kavyadhara	92.86	3	1.8	100	3	1.2	3	100
	Hindi-361-A	Vishesh Vidha - Bharatiya Sant Kavya	93.75	3	1.8	100	3	1.2	3	100
	Hindi-362	Hindi Sahitya ka Itihas(Aadunikkal)	94.12	3	1.8	100	3	1.2	3	100
SEM VI	Hindi-363	Bhasha Vidnyan	85.71	3	1.8	100	3	1.2	3	100
	Hindi-364	Hindi Bhasha ka Mankikaran aurAshuddhi Shodhsan	63.88	3	1.8	100	3	1.2	3	100
	Hindi-365	Hindi Senema aur Sahitya (Electronic Madhyam)	178.57	3	1.8	100	3	1.2	3	100
	Hindi-366	Khandesh ka Lok Sahitya	92.86	3	1.8	100	3	1.2	3	100
			1		1.80		1	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.A Hindi)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program Outcome Atta	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainm	ent of Course Ou	tcome			40% of	1	%CO
Semester (Theory/	Course Code	Code Course Title	% of Students Passed in External Exam	External Attainment	Level of Attainment Attainment Level in end	end Internal Exam	Level of Attainment	Attainment Level in end term exam	Attainment of Course Outcome	Attainmer
Practical)			Exam		term exam	7	8	9	10=6+9	
1	2	3	4	5	6	100	3	1.2	3	100
	AEC	Developing Communication Skills	80	3	1.8	100				100
			04.65	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	entieth Century English Literature 84.65	3						100
SEM V		The Study of English Language	80.74	3	1.8	100	3	1.2	3	100
	DSE 4 ENG A	The study of English cangooge					3	1.2	3	100
	DSC ENG 1	Indian Writing in English	89	3	1.8	98	,			
					1.8	99	3	1.2	3	100
	AEC	Developing Communication Skills	82.85	3	1.0	55		1.20		
			85.71	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	05./1			1	1.1.1.1		1 2	100
	DSE 4 ENG A	The Study of English Language	78.57	3	1.8	100	3	1.2	3	100
SEM VI	DSE 4 ENG A	The study of city an early safe				95	3	1.2	3	100
	DSC ENG 1	Indian Writing in English	92.85	3	1.8	95	, °	1.2		24
			1		1.80			1.20	3.00	100
	1 m				1.00					

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.A. English)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcom	e Attainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100



R. C. Patel Arts, Commerce and Science College, Shirour

 \mathbf{x}_{1}

Semester (Theory/ Practical)	Course Code	Course Title	Attainment o % of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	AEC	Developing Communication Skills	97.3	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	85.87	3	1.8	100	3	1.2	3	100
SEM V	DSE 4 ENG A	The Study of English Language	96	3	1.8	100	3	1.2	3	100
	DSC ENG 1	Indian Writing in English	94.65	3	1.8	100	3	1.2	3	100
	AEC	Developing Communication Skills	95	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	100	3	1.8	100	3	1.2	3	100
SEM VI	DSE 4 ENG A	The Study of English Language	100	3	1.8	100	3	1.2	3	100
	DSC ENG 1	Indian Writing in English	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (B.A. English)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment 40% of Average Average Attainment by 60% of Average Average PO Average %PO Attainment by Direct Method Attainment Attainment by Attainment Attainment by Direct Indirect Method Indirect Method Method 100 3.00 3.00 1.80 1.20 3.00

OMM.AW Hoad el Popartment

R. C. Patel Arts, Commerce and Science Collège,Shirpur

.

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	AEC	Developing Communication Skills	81.66	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	91.65	3	1.8	100	3	1.2	3	100
SEM V	DSE 4 ENG A	The Study of English Language	99	3	1.8	100	3	1.2	3	100
	DSC ENG 1	Indian Writing in English	98	3	1.8	100	3	1.2	3	100
	AEC	Developing Communication Skills	88.99	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	94.44	3	1.8	100	3	1.2	3	100
SEM VI	DSE 4 ENG A	The Study of English Language	100	3	1.8	100	3	1.2	3	100
SEM VI	DSC ENG 1	Indian Writing In English	100	3	1.8	100	3	1.2	3	100
			88.88	3	1.8		1	0.4	2.2	100
					1.80			1.20	2.92	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (B.A. English)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment				
2.92	3.00	1.80	1.20	3.00	100				

Head of Papartments OMMA

R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainment of	Course Outcon		and the second sec				
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	AEC	Developing Communication Skills	61.66	3	1.8	98	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	81.11	3	1.8	100	3	1.2	3	100
	DSE 4 ENG A	The Study of English Language	89.55	3	1.8	100	3	1.2	3	100
SEM V	DSC ENG 1	Indian Writing in English	87.66	3	1.8	100	3	1.2	3	100
	SEC	English for Practical Purposes	86.33	3	1.8	100	3	1.2	3	100
	AEC	Developing Communication Skills	79.78	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	72.72	3	1.8	100	3	1.2	3	100
	DSE 4 ENG A	The Study of English Language	81.81	3	1.8	100	3	1.2	3	100
SEM VI	DSC ENG 1	Indian Writing in English	81.81	3	1.8	100	3	1.2	3	100
	SEC	English for Practical Purposes	68.18	3	1.8	100	3	1.2	3	100
	1				1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.A. English)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment			
Levell	0.5>1.0			
Level2	1.0>1.5			
Level3	1.5>2.0			
Level4	2.0>2.5			
LevelS	2.5>3.0			

Program Outcome Attainment						
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment	
3.00	3.00	1.80	1.20	3.00	100	

Hog Hog MMAN

Deate Principal R. C. Patel Arts, Commerce and Science College, Shirour

÷

			Atta	inment of Cour			1	Lanal .	T	%CO
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	Attainmen
			4	5	6	7	8	9	10=6+9	11
1	2 AEC	3 Developing Communication Skills	69.88	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English	85	3	1,8	100	3	1.2	3	100
	DSE 4 ENG A	The Study of English Language	80.65	3	1.8	100	3	1.2	3	100
SEM V	DSC ENG 1	Indian Writing in English	81	3	1.8	100	3	1.2	3	100
SEC	SEC	English for Practical Purposes	98	3	1.8	100	3	1.2	3	100
-	AEC	Developing Communication Skills	84	3	1.8	100	3	1.2	3	100
	DSE 3 ENG A	Twentieth Century English Literature	83.25	3	1.8	100	3	1.2	3	100
	DSE 4 ENG A	The Study of English Language	80.94	3	1.8	100	3	1.2	3	100
SEM VI	DSC ENG 1	Indian Writing in English	79	3	1.8	100	3	1.2	3	100
	SEC	English for Practical Purposes	78	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23(B.A. English)

Levell	<45% of students scoring more than average marks						
Level2	45-60% of students scoring more than average marks						
Level3	>60% of students scoring more than average marks						
Progra	m Outcome Level	Target Attainment					
	Levell	0.5>1.0					
	Level2	1.0>1.5					
	Level3	1.5>2.0					
	Level4	2.0>2.5					
	Level5	2.5>3.0					

		Program Outcome Atta	inment		A
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100



Ja R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	HIS(G3) 351	HISTORY OF MODERN WORLD (1789-1900)	94.23	3	1.8	100	3	1.2	3	100
SEM V	HIS(S3) 352(B)	EXPANSION AND FALL OF THE MARATHA POWER (1761-1818)	95	3	1.8	100	3	1.2	3	100
	HIS(54) 353	HISTORY OF SULTANAT (1206-1526)	97.5	3	1.8	100	3	1.2	3	100
	HIS(G3) 361	HISTORY OF MODERN WORLD (1901-1945)	90.24	3	1.8	100	3	1.2	3	100
SEM VI	HIS(53) 362(B)	EXPANSION AND FALL OF THE MARATHA POWER (1761-1818)	91.89	3	1.8	100	3	1.2	3	100
	HIS(S4) 363	HISTORY OF MUGHAL (1526-1707)	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (T.Y.B.A- History)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Pro	gram Outcome Attainment	1		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100



Principal R. C. Patel Arts, Commerce ar Science College, Shirpur

10

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
-	HIS(G3) 351	HISTORY OF MODERN WORLD (1789-1900)	82.75	3	1.8	100	3	1.2	3	100
SEM V	HIS(S3) 352(B)	EXPANSION AND FALL OF THE MARATHA POWER (1761-1818)	90	3	1.8	100	3	1.2	3	100
	HIS(S4) 353	HISTORY OF SULTANAT (1206-1526)	100	3	1.8	100	3	1.2	3	100
	HIS(G3) 361	HISTORY OF MODERN WORLD (1901-1945)	100	3	1.8	100	3	1.2	3	100
SEM VI	HIS(S3) 362(B)	EXPANSION AND FALL OF THE MARATHA POWER (1761-1818)	100	3	1.8	100	з	1.2	3	100
	HIS(S4) 363	HISTORY OF MUGHAL (1526-1707)	100	3	1.8	100	3	1.2 1.20	3 3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (T.Y.B.A- History)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level 1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Progra	m Outcome Attains	nent	2010/02/01	1.000
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Head of Department

OMMA

F-Q

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/Pr actical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
		3	4	5	6	7	8	9	10=6+9	- 11
1	2 HIS 351	History of Modern Europe (AD 1781 - AD 1913)	95.08	3	1.8	100	3	1.2	3	100
	HIS 352	History of India (AD 1750- AD 1857)	97.5	3	1.8	100	3	1.2	3	100
SEM V	HIS 353	History of India (AD 1206- AD 1526)	95	3	1.8	100	3	1.2	3	100
HIS	HIS 354	Travel and Tourism in India	97.5	3	1.8	100	3	1.2	3	100
	HIS 361	History of Modern Europe (AD 1914 - AD 1945)	100	3	1.8	100	3	1.2	3	100
	HIS 362	History of India (AD 1750 – AD 1857)	100	3	1.8	100	3	1.2	3	100
SEM VI	HIS 363	History of India (AD 1526 – AD 1707)	100	3	1.8	100	3	1.2	3	100
	HI5 364	An Introduction to Museums in India	100	3	1.8	100	3	1.2 1.20	3 3.00	100 100

ALAN

SH

ū

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (T.Y.B.A- History)

Levell	<45% of students scoring more than average marks				
Level2	45-60% of students	scoring more than average marks			
Level3	>60% of students scoring more than average marks				
Prograu	m Outcome Level	Target Attainment			

Target Attainment
0.5>1.0
1.0>1.5
1.5>2.0
2.0>2.5
2.5>3.0

	Pro	gram Outcome Attainmen	ıt		1
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Donarimont -la

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
	2	3	4	5	6	7	8	9	10=6+9	11
1	HIS 351	History of Modern Europe (AD 1781 - AD 1913)	88.2	3	1.8	100	3	1.2	3	100
111	HIS 352	History of India (AD 1750– AD 1857)	100	3	1.8	100	3	1.2	3	100
SEM V	HIS 353	History of India (AD 1206– AD 1526)	93.87	3	1.8	100	3	1.2	3	100
-	HIS 354	Travel and Tourism in India	97.95	3	1.8	100	3	1.2	3	100
1.1.1	HIS 361	History of Modern Europe (AD 1914 - AD 1945)	93.54	3	1.8	100	3	1.2	3	100
1.1	HIS 362	History of India (AD 1750 – AD 1857)	95.83	3	1.8	100	3	1.2	3	100
SEM VI	HIS 363	History of India (AD 1526 – AD 1707)	100	3	1.8	100	3	1.2	3	100
	HIS 364	An Introduction to Museums in India	95.83	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (T.Y.B.A- History)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Levels	2.5>3.0

22.12	Pro	gram Outcome Attainmen	at		1
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

OMMAN d of Department 10 10 * SHIRPU

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

.

		At	tainment of Cour	se Outcome	60% of	% of		40% of	London and and	
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	Attainment Level in end term exam	Students Passed in Internal Exam	Level of Attainment	Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainme
			4	5	6	7	8	9	10=6+9	11
1	2	3		3	1.8	100	3	1.2	3	100
	HIS 351	History of Modern Europe (AD 1781 - AD 1913)	92.98	,	1.0			1 million (1997)		
					1.8	100	3	1.2	3	100
	HIS 352	HIS 352 History of India (AD 1750– AD 1857)	100	3	1.0	100	1000			
SEM V HIS 35	115 552				1.8	100	3	1.2	3	100
	LUIC 252	History of India (AD 1206- AD 1526)	95.83	3	1.8	100	-	2.2.2	1	
	115 355	that off of some t				100	3	1.2	3	100
	100 304	Travel and Tourism in India	91.66	3	1.8	100			1.00	
	HIS 334	3334				100	3	1.2	3	100
	100 304	History of Modern Europe (AD 1914 - AD 1945)	88.23	3	1.8	100	2		1.0	
	HIS 361	HISTORY OF MODELIN ENOPE (NE 112	1. N. C. M. S.	1				1.2	3	100
10 I I I	-	HIS 362 History of India (AD 1750 – AD 1857)	100 3	1.8	100	3	1.2	11.1.2		
	HIS 362	History of India (AD 1750 - AD 1851)	a state of the second sec			-	-	12	3	100
SEM VI		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	3	1.8	100	3	1.2	3	
SEM VI	HIS 363	History of India (AD 1526 – AD 1707)		-		1.5.2			3	100
	in the second second	in the state of th	100	3	1.8	100	3	1.2	5	100
	HIS 364	An Introduction to Museums in India			1 . Sec. 1				2.00	100
					1.80			1.2	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23(T.Y.B.A- History	Caladadan for Program Outcome	Attainment for the Academic	Year 2022-23(T.Y.B.A- History
---	-------------------------------	-----------------------------	-------------------------------

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Pro	gram Outcome Attainmen	nt	1000	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1,20	3.00	100

Head of Department



2800 Principal R. C. Patel Arts, Commerce and Science College, Shirpur

1

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM-	G -3	Population Geography	94.11	3	1.8	100	3	1.2	3	100
v	S-3	Environmental Geography	92.30	3	1.8	100	3	1.2	3	100
	G -3	Political Geography	92.30	3	1.8	100	3	1.2	3	100
SEM-	S-3	Remote Sensing & GIS	92.30	3	1.8	100	3	1.2	3	100
VI	S-4	Practical Geography	92.30	3	1.8	100	3	1.2	3	100
	S-4	Practical Geography			1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (Geography) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Pro	gram Outcome Attainm	nent	and the second	 at all a
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3,00	1.80	1.20	3,00	100



Principal R. C. Patel Arts, Commerce and Science College Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM- V	G -3	Population Geography	94.73	3	1.8	100	3	1.2	3	100
SEM- V	S-3	Environmental Geography	91.66	3	1.8	100	3	1.2	3	100
	G-3	Political Geography	91.66	3	1.8	100	3	1.2	3	100
SEM- VI	S-3	Remote Sensing & GIS	91.66	3	1.8	100	3	1.2	3	100
SEM- VI	S-4	Practical Geography	91.66	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome	Attainment for the Academi	c Year 2019-20 (Geography)
---------------------------------	----------------------------	----------------------------

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program Outcome Atta	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

1

gu-

Relation

OMMAA

		Attainn		rse Outcome						
Semester (Theory/ Practical	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Gg.351 (G-3)	Environmental Geography	100	3	1.8	100	3	1.2	3	100
	Gg. 352 (S-3)	Economic Geography	100	3	1.8	100	3	1.2	3	100
SEM- V Gg. 353 (S- Gg. 354 (SE	Ge 353 (S-4)	Practical in Human Geography and Geo-statistics	100	3	1.8	100	3	1.2	3	100
	Gg. 354 (SEC)	Practical in Human Geography and Geo-statistics	100	3	1.8	100	3	1.2	3	100
	Gg. 355 (GE)	Disaster Risk Reduction	100	3	1.8	100	3	1.2	3	100
	Gg . 361 (G-3)	Population Geography	100	3	1.8	100	3	1.2	3	100
	Gg. 362 (S-3)	Political Geography	100	3	1.8	100	3	1.2	3	100
SEM- VI	Gg. 363 (S-4)	Practical in Physical Geography	100	3	1.8	100	3	1.2	3	100
	Gg. 364 (SEC)	Geographical Information System	100	3	1.8	100	3	1.2	3	100
				1.	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year2020-21 (Geography)

Level1	<45% of sti	udents scoring more than	average marks	Program Outcome Attainment					
Level2 Level3	45-60% of students scoring more than average marks >60% of students scoring more than average marks		Average Attainment	Average Attainment by Indirect Method	60% of Average Attainment by Direct	40% of Average Attainment by	Average PO	% PO Attainment	
Program	Outcome	Target Attainment	average marks	by Direct Method	.,	Method	Indirect Method	Attainment	
	vel1	0.5>1.0		3.00	3.00	1.80	1,20	3,00	100
Lev	vel2	1.0>1.5					OMM.AND a	~	40
Lev	vel3	1.5>2.0				MELARY	Scicone	Princ	the state
	vel4	2.0>2.5			2 0			Drine	inal

R. C. Patel Arts, Commerce and Science College,Shirpur

SHIRP

24 |

Level5

2.5>3.0

4

.

Semester (Theory/ Practical	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	Gg.351 (G-3)	Environmental Geography	100	3	1.8	100	3	1.2	3	100
Gg. 352 (S-3) SEM- V Gg. 353 (S-4) Gg. 354 (SEC)	Economic Geography	100	3	1.8	100	3	1.2	3	100	
	Gg. 353 (S-4)	Practical in Human Geography and Geo-statistics	100	3	1.8	100	3	1.2	3	100
	Gg. 354 (SEC)	Practical in Human Geography and Geo-statistics	100	3	1.8	100	3	1.2	3	100
	Gg. 355 (GE)	Disaster Risk Reduction	100	3	1.8	100	3	1.2	3	100
	Gg. 361 (G-3)	Population Geography	100	3	1.8	100	3	1.2	3	100
Gg. 04SEM-	Gg. 362 (S-3)	Political Geography	100	3	1.8	100	3	1.2	3	100
VI	Gg. 363 (S-4)	Practical in Physical Geography	100	3	1.8	100	3	1.2	3	100
	Gg. 364 (SEC)	Geographical Information System	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (Geography)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome Atta	ninment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

MM

SHIRE



	1	Attainment	% of	utcome		9/			Í.	e/ CO
Semester (Theory/Practical	Course Code	Course Title	56 of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	Gg.351 (G-3)	Environmental Geography	100	3	1.8	100	3	1.2	3	100
SEM-	Gg. 352 (S-3)	Economic Geography	100	3	1.8	100	3	1.2	3	100
	Gg. 353 (S-4)	Practical in Human Geography and Geo-statistics	100	3	1.8	100	3	1.2	3	100
v	Gg. 354 (SEC)	Practical in Human Geography and Geo-statistics	100	3	1.8	100	3	1.2	3	100
	Gg. 355 (GE)	Disaster Risk Reduction	100	3	1.8	100	3	1.2	3	100
	Gg. 361 (G-3)	Population Geography	100	3	1.8	100	3	1.2	3	100
SEM-	Gg. 362 (S-3)	Political Geography	100	3	1.8	100	3	1.2	3	100
VI	Gg. 363 (S-4)	Practical in Physical Geography	100	3	1.8	100	3	1.2	3	100
	Gg. 364 (SEC)	Geographical Information System	88.88	3	1.8	100.	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (Geography)

Level1	<45% of students marks	s scoring more than average				
Level2	45-60% of students scoring more than averag marks					
Level3	>60% of students scoring more than average marks					
Program	Outcome Level	Target Attainment				
1	_evel1	0.5>1.0				
1	evel2	1.0>1.5				
1	evel3	1.5>2.0				
Level4 Level5		2.0>2.5				
		2.5>3.0				

		Program Outcome Attai	nment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Principal

R. C. Patel Arts, Commerce and Science College, Shirpur

26 |

.

.

			Att	ainment of Coun	rse Outcome					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	B.A. DEF 351	International Security Issue- I	100	3	1.8	100	3	1.2	3	100
SEM VI	B.A.DEF 361	International Security Issue - II	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.A. Defence Studies)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program Outcome At	tainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head Dept. of Dafence Studies R.C. Patel Arts, Com. & Science College Shirpur.



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	B.A. DEF 351	International Security Issue - I	100	3	1.8	100	3	1.2	3	100
SEM VI	B.A. DEF 361	International Security Issue - II	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (B.A. Defence Studies) Attainment of Course Outcome

Level1	<45% of students scoring more than	Program Outcome Attainment						
Level2	45-60% of students scoring more than average marks	Average Attainment by Direct	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment	
Level3	>60% of students scoring more than	Method						
Levels	average marks	3.00	3.00	1.80	1.20	3.00	100	

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

Dept. of Defence Studies R.C. Patel Arts, Com. & Science College Shirpur.



Principal R. C. Patel Arts, Commerce and Science College Shimur

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
1.000	B.A.DEF 351	International Security Issue I	93.98	3	1.8	100	3	1.2	3	100
SEM V	B.A.DEF 355	Disaster Management And Security -I	100	3	1.8	100	3	1.2	3	100
SEM VI	B.A. DEF 361	International Security Issue II	94	3	1.8	100	3	1.2	3	100
	B.A. DEF 365	Disaster Management And Security -II	97.61	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (B.A. Defence Studies)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainmen		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

		Program Outcome At	tainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head Dept. of Defence Studies R.C. Patel Arts, Com. & Science College Shirpur.



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	B.A. DEF 351	International Security Issue I	81.96	3	1.8	100	3	1.2	3	100
	B.A. DEF 355	Disaster Management And Security -I	92.68	3	1.8	100	3	1.2	3	100
SEM VI	B.A. DEF 361	International Security Issue - II	100	3	1.8	100	3	1.2	3	100
	B.A. DEF 365	Disaster Management And Security -II	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.A. Defence Studies)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainmen				
3.00	3.00	1.80	1.20	3.00	100				

1920

Dept. of Defence Studies R.C. Patel Arts, Com. & Science College Shirpur.

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

ŝ

			Attainmen	t of Course Out	come					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	B.A.DEF 351	International Security Issue I	97.95	3	1.8	100	3	1.2	3	100
	B.A.DEF 355	Disaster Management and Security -I	92	3	1.8	100	3	1.2	3	100
1	B.A.DEF 361	International Security Issue II	97.82	3	1.8	100	3	1.2	3	100
SEM VI	B.A.DEF 365	Disaster Management and Security - II	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.A. Defence Studies)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Prog	gram Outcome Attai	nment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head Dept. of Defence Studies R.C. Patel Arts, Com. & Science College Shirpur.



Deatil

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

.

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainme nt	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainme nt	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	- 11
SEM III	GEN	Indian economics since 1980	80	3	1.8	100	3	1.2	3	100
SEM IV	GEN	Indian economics since 1980	86	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (Economics)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment

Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

COMM A.C.PATE id of Department

SHIRPUR R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEMIII	GEN	Indian economics since 1980	100	3	1.8	100	3	1.2	3	100
SEM IV	GEN	Indian economics since 1980	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (Economics)

	oring more than average marks	Program Outcome Attainment					
Level2 45-60% of students scoring more than average marks Level3 >60% of students scoring more than average marks Program Outcome Level Target Attainment		Average Attainment by	Average Attainment by	60% of Average Attainment by Direct	40% of Average	Average PO Attainment	%PO Attainment
		Direct Method Indir	Indirect Method	Method	Attainment by Indirect	· · · · · · · · · · · · · · · · · · ·	
Levell	0.5>1.0				Method	Sec. 1	
Level2	1.0>1.5						
Level3	1.5>2.0	3.00	3.00	1.80	1.20	3.00	100
Level4	2.0>2.5						
Level5	2.5>3.0						

Computer Computer

R. C. Patel Arts, Commerce and Science College, Shirpur 00

33 |

		Attainn	nent of Course	Outcome					
Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
2	3	4	5	6	7	8	9	10=6+9	11
GEN	Indian economics since 1980	91	3	1.8	100	3	1.2	3	100
GEN	Indian economics since 1980	100	3	1.8	100	3	1.2	3	100
-				1.80			1.20	3.00	100
	Code 2 GEN	Code Course fille 2 3 GEN Indian economics since 1980	Course Code Course Title % of Students Passed in External Exam 2 3 4 GEN Indian economics since 1980 91	Course Code Course Title % of Students Passed n External Exam Level of Attainment 2 3 4 5 GEN Indian economics since 1980 91 3	Course CodeCourse TitleStudents Passed in External ExamLevel of Attainment Level in end term exam23456GENIndian economics since 19809131.8GENIndian economics since 198010031.8	Course CodeCourse Title% of Students Passed in External ExamLevel of Attainment% of 60% of Attainment level in end term exam234567GENIndian economics since 19809131.8100GENIndian economics since 198010031.8100	Course CodeCourse Title% of Students Passed in ExamLevel of Attainment% of 60% of Attainment Level in end term exam% of Students Passed in Internal Exam234567831.8100333GENIndian economics since 19809131.81003	Course CodeCourse Title $\begin{pmatrix} \% \text{ of} \\ Students \\ Passed in \\ Exam \\ Exam \\ GENLevel of \\ Attainment in \\ Internal \\ Exam \\ GEN\begin{pmatrix} \% \text{ of} \\ Students \\ Passed in \\ Internal \\ Exam \\ 1.8 \\ 100 \\ 3 \\ 1.8 \\ 100 \\ 3 \\ 1.8 \\ 100 \\ 3 \\ 1.2 \\ 1.8 \\ 100 \\ 3 \\ 1.2 \\ $	Course CodeCourse Title $\begin{pmatrix} \% \text{ of} \\ Students \\ Passed in \\ Exam \\ Exam \\ GENLevel of \\ Attainment since 1980\begin{pmatrix} 60\% \text{ of} \\ Attainment \\ Level in end \\ term exam \\ 1.8 \\ 100 \\ 3 \\ 1.8 \\ 100 \\ 3 \\ 1.8 \\ 100 \\ 3 \\ 1.2 \\ 1.2 \\ 1$

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (Economics)

		ring more than average marks	Program Outcome	Program Outcome Attainment								
	Level2 45-60% of students scoring more than average marks Level3 >60% of students scoring more than average marks Program Outcome Level Target Attainment Level1 0.5>1.0		Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment	Average PO Attainment	%PO Attainment				
Program			Direct Method	mun eet methou	Method							
	Level2	1.0>1.5				Method						
	Level3	1.5>2.0	3.00	3.00	1.80	1.20	3.00	100				
	Level4	2.0>2.5						1				
	Level5	2.5>3.0										

o∳ Department Contract

COMM 2007 SHIRPU

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainmen	t of Course Ou	tcome					
Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEMIII	GEN	Indian economics since 1980	100	3	1.8	98	3	1.2	3	100
SEM IV	GEN	Indian economics since 1980	100	3	1.8	100	3	1.2	3	100
	1				1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-2022 (Economics)

	ning more than average marks	Program Outcome	Attainment			1.1.1.1	
a second because a second s	coring more than average marks ring more than average marks	Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
Program Outcome Level	Target Attainment	Direct Method	Indirect Method	Direct Method	Indirect Method		
Levell	0.5>1.0						
Level2	1.0>1.5						
Level3	1.5>2.0	3.00	3.00	1.80	1.20	3.00	100
Level4	2.0>2.5				1		
Level5	2.5>3.0						

of Department



486

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainme	nt of Course On	itcome					
Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEMIII	GEN	Indian economics since 1980	100	3	1.8	100	3	1.2	3	100
SEM IV	GEN	Indian economics since 1980	100	3	1.8	100	3	1.2	3	100
					1.00	1		1011	1.000	
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-2023 (Economics)

	oring more than average marks	Program Outcome	Attainment				
	coring more than average marks oring more than average marks	Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
Program Outcome Level	Target Attainment	and the strength		(And a second se	Constanting of the second	· · · · · · · · · · · · · · · · · · ·	
Levell	0.5>1.0						
Level2	1.0>1.5						
Level3	1.5>2.0	3.00	3.00	1.80	1.20	3.00	100
Level4	2.0>2.5		1				1
Level5	2.5>3.0						

Iment



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	Pol(G-3)	Indian Political Thinker -I	93.8	3	1.8	100	3	1.2	3	100
	Pol (G-3)	Indian Political	100	3	1.8	100	3	1.2	3	100
SEM VI		Thinker-II			1.80	1		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.A Political Science Department)

			I	Program Outcome Attain	ment		
Level1	<45% of students scoring more than average marks	Average Attainment by	Average Attainment by Indirect Method	60% of Average Attainment by Direct	40% of Average Attainment by	Average PO Attainment	% PO Attainment
Level2	45-60% of students scoring more than average marks	Direct Method		Method	Indirect Method	Attainment	
Level3	>60% of students scoring more than average marks	3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

gRousings -	
Head of Department	



1

Principal R. C. Patel Arts, Commerce and Science College,Shirpur

22

Semester (Theory/	Course Code	Course Title	% of Students Passed In External Exam	Level of Attainment	60% of Attainment Level in end termexam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
Practical)	· · · · · · · · · · · · · · · · · · ·			6	6	7	8	9	10=6+9	11
1	2	3	4	5	0	100	3	1.2	3	100
SEM V	Pol(G-3)	Indian Political Thinker -1	100	3	1.8	100	-			-
SENT Y					Contract of the second		I		2	100
	Pol(G-3)	Indian Political Thinker -II	100	3	1.8	100	3	1.2	3	100
SEM VI						1	-	1.20	3.00	100
					1.80	1	1	1.20	2.00	

Calculation for Program Outcome Attainment for the Academic Year 2019 - 20 (B.A.- Political Science Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	1		Program Outcome Att	ainment		
Level2	45-60% of students scoring more than average marks		Average Attainment by Indirect Method	Attainment by Direct	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
Level3	>60% of students scoring more than average marks	by Direct Method	1.2	Method	Indirect Method		
0	toome Level Target Attainment	3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head of Department



Principal R. C. Patel Arts, Commerce and Science College.Shirpur

Semester (Theory/	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%C0
Practical)					6	7	8	9	10=6+9	11
1	2	3	4	3	0			12	2	100
	Pol(G-3)	Indian Political Thinker -1	95.45	3	1.8	100	3	1.2	3	
SEM V		L						1		
	Pol(G-3)	Indian Political Thinker -II	97.42	3	1.8	100	3	1.2	3	100
SEM VI										
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020 -21 (B.A.- Political Science Department) Attainment of Course Outcome

Level1	<45% of stud	ents scoring more than aver	rage marks
Level2	45-60% of stu	idents scoring more than av	erage marks
Level3	>60% of stud	ents scoring more than ave	rage marks
Program C	utcome Level	Target Attainment	
	evell	0.5>1.0	
	Level2	1.0>1.5	
Level3 Level4		1.5>2.0	
		2.0>2.5	
	evel5	2.5>3.0	

ge Attainment direct Method	60% of Average Attainment by Direct	40% of Average Attainment by	Average PO	%PO Attainment
	Method	Indirect Method	Attainment	Attainmen
2.00	1.90	1.20	3.00	100
	3.00	3.00 1.80	3.00 1.80 1.20	3.00 1.80 1.20 3.00

Heal of Department



Principal R. C. Patel Arts, Commerce ar. Science College, Shirpur

Semester Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	Pol(G-3)	Indian Political Thinker -I	93.1	3	1.8	100	3	1.2	3	100
	Pol(G-3)	Indian Political Thinker -II	100	3	1.8	100	3	1.2	3	100
SEM VI				1022	1.80	1	1.000	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.A.- Political Science Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome Att	ainment				
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	ment by Direct Attainment by		inment by Direct Attainment by Attainment		% PO Attainment
3.00	3.00	1.80	1.20	3.00	100		

Head of Department



t-l

Principal R. C. Patel Arts, Commerce an Science College, Shirpur

Semester (Theory/ Practical)	Course	Course Title	% of Students Passed in External Exam	Level of Attainment	Attainment of Cou 60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	%CO Attainment
racticaly	Code			6	6	7	8	9	10=6+9	11
1	2	3	4	2	0			1.2	3	100
SEM V	Pol(G-3)	Indian Political Thinker -l	96.27	3	1.8	100	3	1.2		
	1.			1.2		The second se				_
		the second secon	and the second s				1	1.2	3	100
	Pol(G-3)	Indian Political Thinker -II	85.71	3	1.8	100	3	1.2		
SEM							1 m			
VI				10000				1.20	3.00	100
2.24					1.80			1.20	5.00	

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.A.- Political Science Department)

Level1	<45% of stude	<45% of students scoring more than average marks						
Level2	45-60% of students scoring more than average marks							
Level3	>60% of stude	dents scoring more than average marks						
Program (Jutcome Level	Target Attainment]					
Levell		0.5>1.0						
	Level2	1.0>1.5						

Level3

Level4

Level5

1.5>2.0

2.0>2.5

2.5>3.0

	Program Outcome Att	ainment		
Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	1.80	1.20	3.00	100
	by Indirect Method	Average Attainment 60% of Average by Indirect Method Attainment by Direct Method Nethod	by Indirect Method Attainment by Direct Attainment by Indirect Method Indirect Method	Average Attainment by Indirect Method 60% of Average Attainment by Direct Method 40% of Average Attainment by Indirect Method Average PO Attainment

GROWING Head of Department



C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	nent of Course Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	0	10=6+9	11
SEM V	PSY(G-3)	Modern Applied Psychology	93.8	3	1.8	100	3	1.2	3	100
SEM VI	PSY (G-3)	Applied Psychology & Modern Life	100	3	1.8	100	3	1.2	3	100
	in an al			1	1.80	-		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.A.- Psychology Department)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

÷.

	Pr	ogram Outcome At	tainment	1.1.1.1.1	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head of Denartment



Kelate

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

÷

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	Pol(G-3)	Indian Political Thinker -1	100	3	1.8	100	3	1.2	3	100
sem vi	Pol(G-3)	Applied Psychology & Modern Life	100	3	1.8	100	3	1.2	3	100
1.1.1				1.1	1.80	1000		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (B.A.- Psychology Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome At	tainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head +mantenant



Frincipal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in * External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	Pol(G-3)	Management of Interpersonal Relations	95,45	3	1.8	100	3	1.2	3	100
SEM VI Pol(G-3) Adjustment in Life Span	97.42	3	1.8	100	3	1.2	3	100		
1.1			1	·	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (B.A.- Psychology Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks		Program Outcome Attainment				
Level2	45-60% of students scoring more than average marks	Average Attainment	Average Attainment by	60% of Average Attainment by	40% of Average Attainment by	Average PO Attainment	%PO Attainment
Level3	>60% of students scoring more than average marks	by Direct Method	Indirect Method	Direct Method	Indirect Method	Attainment	Attainment
Program (Dutcome Level Target Attainment	3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

3.00	3.00	1.80

Head of Department



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	II
SEM V	Pol(G-3)	Management of Interpersonal Relations	93.1	3	1.8	100	3	1.2	3	100
sem vi	Pol(G-3)	Adjustment in Life Span	100	3	1.8	100	3	1.2	3	100
I			· · · · · · · · · · · · · · · · · · ·		1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.A.- Psychology Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Head of Department



til

Rrincipal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	Pol(G-3)	Management of Interpersonal Relations	96.27	3	1.8	100	3	1.2	3	100
SEM VI Pol(G-3) Adjustment in Life Span	85.71	з	1.8	100	3	1.2	3	100		
				1-1-1	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.A.- Psychology Department) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

	Program Outcome Attainment							
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Thomass	
Head of Department	

OMM 4 OLLEGE - 0

Seatil

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainm	ent of Course	Outcome					
Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	- 11
	E5.1	Entrepreneurship Development	75	3	1.8	100	3	1.2	3	100
	E5.2	Marketing Management	65	3	1.8	100	3	1.2	3	100
SEM V	E5.3	Introduction to Scripting Language	80	3	1.8	100	3	1.2	3	100
	E5.4	SAD	85	3	1.8	100	3	1.2	3	100
	E5.5	ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.6	Practical on ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.7	Practical on Scripting Language	100	3	1.8	100	3	1.2	3	100
	E6.1	Introduction to Banking and Insurance	76	3	1.8	100	3	1.2	3	100
SEM VI	E6.2	HRM	89	3	1.8	100	3	1.2	3	100
	E6.3	ISA	100	3	1.8	100	3	1.2	3	100
	E6.4	ERP	82	3	1.8	100	3	1.2	3	100
	E6.5	PHP& MySQL	78	3	1.8	100	3	1.2	3	100
	E6.6	Practical on PHP & MySQL	100	3	1.8	100	3	1.2	3	100
	E6.7	Project Work	100	3	1.8	100	3	1.2	3	100

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment							
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment		
3.00	3.00	1.80	1.20	3.00	100		

Head of Department Computer Management R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



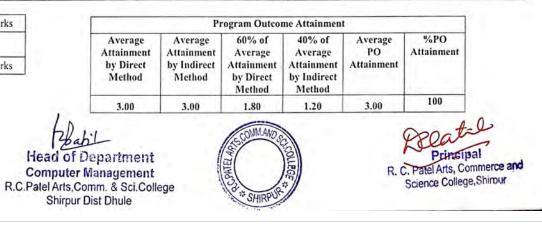
Principal R. C. Patel Arts, Commerce and Science College Shires

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
E5.2 E5.3 SEM V E5.4 E5.5	E5.1	Entrepreneurship Development	100	3	1.8	100	3	1.2	3	100
	E5.2	Marketing Management	100	3	1.8	100	3	1.2	3	100
	E5.3	Introduction to Scripting Language	100	3	1.8	100	3	1.2	3	100
	E5.4	SAD	100	3	1.8	100	3	1.2	3	100
	E5.5	ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.6	Practical on ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.7	Practical on Scripting Language	100	3	1.8	100	3	1.2	3	100
	E6.1	Introduction to Banking and Insurance	100	3	1.8	100	3	1.2	3	100
- 13	E6.2	HRM	100	3	1.8	100	3	1,2	3	100
SEM VI	E6.3	ISA	100	3	1.8	100	3	1.2	3	100
	E6.4	ERP	100	3	1.8	100	3	1.2	3	100
	E6.5	PHP& MySQL	100	3	1.8	100	3	1.2	3	100
	E6.6	Practical on PHP & MySQL	100	3	1.8	100	3	1.2	3	100
	E6.7	Project Work	100	3	1.8	100	3	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2019-2020 (BMS E-COM)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



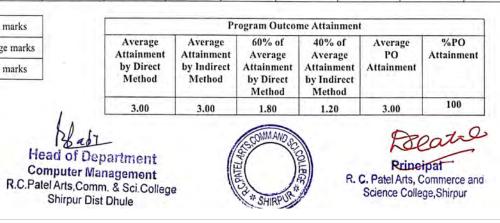
48 |

			Attainment of	Course Outcon	ie					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainme nt Level in end ferm exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmer t
1	2	3	4	5	6	7	8	9	10=6+9	11
	E5.1	Entrepreneurship Development	100	3	1.8	100	3	1.2	3	100
	E5.2	Marketing Management	100	3	1.8	100	3	1.2	3	100
	E5.3	Introduction to Scripting Language	100	3	1.8	100	3	1.2	3	100
SEM V	E5.4	SAD	100	3	1.8	100	3	1.2	3	100
	E5.5	ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.6	Practical on ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.7	Practical on Scripting Language	100	3	1.8	100	3	1.2	3	100
1	E6.1	Introduction to Banking and Insurance	100	3	1.8	100	3	1.2	3	100
	E6.2	HRM	100	3	1.8	100	3	1.2	3	100
1000	E6.3	ISA	100	3	1.8	100	3	1.2	3	100
SEM VI	E6.4	ERP	100	3	1.8	100	3	1.2	3	100
	E6.5	PHP& MySQL	100	3	1.8	100	3	1.2	3	100
	E6.6	Practical on PHP & MySQL	100	3	1.8	100	3	1.2	3	100
	E6.7	Project Work	100	3	1.8	100	3	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2020-2021 (BMS E-COM)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



			Attain	ment of Course	Outcome					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	E5.1	Entrepreneurship Development	85	3	1.8	100	3	1.2	3	100
	E5.2	Marketing Management	85	3	1.8	100	3	1.2	3	100
	E5.3	Introduction to Scripting Language	90	3	1.8	100	3	1.2	3	100
SEM V	E5.4	SAD	75	3	1.8	100	3	1.2	3	100
	E5.5	ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.6	Practical on ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.7	Practical on Scripting Language	100	3	1.8	100	3	1.2	3	100
	E6.1	Introduction to Banking and Insurance	90	3	1.8	100	3	1.2	3	100
	E6.2	HRM	95	3	1.8	100	3	1.2	3	100
	E6.3	ISA	100	3	1.8	100	3	1.2	3	100
SEM VI	E6.4	ERP	95	3	1.8	100	3	1.2	3	100
	E6.5	PHP& MySQL	85	3	1.8	100	3	1.2	3	100
	E6.6	Practical on PHP & MySQL	100	3	1.8	100	3	1.2	3	100
	E6.7	Project Work	100	3	1.8	100	3	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2021-2022 (BMS E-COM)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment				
3.00	3.00	1.80	1.20	3.00	100				

Head of Department Computer Management R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



Principal

R. C. Patel Arts, Commerce and Science College, Shirpur

,

				nt of Course Ou	tcome					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	E5.1	Entrepreneurship Development	76	3	1.8	100	3	1.2	3	100
	E5.2	Marketing Management	67	3	1.8	100	3	1.2	3	100
	E5.3	Introduction to Scripting Language	81	3	1.8	100	3	1.2	3	100
SEM V	E5.4	SAD	83	3	1.8	100	3	1.2	3	100
	E5.5	ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.6	Practical on ASP.NET	100	3	1.8	100	3	1.2	3	100
	E5.7	Practical on Scripting Language	100	3	1.8	100	3	1.2	3	100
	E6.1	Introduction to Banking and	80	3	1.8	100	3	1.2	3	100
	E6.2	HRM	90	3	1.8	100	3	1.2	3	100
	E6.3	ISA	100	3	1.8	100	3	1.2	3	100
SEM VI	E6.4	ERP	80	3	1.8	100	3	1.2	3	100
	E6.5	PHP& MySQL	80	3	1.8	100	3	1.2	3	100
	E6.6	Practical on PHP & MySQL	100	3	1.8	100	3	1.2	3	100
	E6.7	Project Work	100	3	1.8	100	3	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2022-2023 (BMS E-COM)

Level1	<45% of students scoring more than average marks				
Level2	45-60% of students scoring more than average marks				
Level3	>60% of students scoring more than average marks				
Program	Outcome Level	Target Attainment			
	Level1	0.5>1.0			
	Level2	1.0>1.5			
	Level3	1.5>2.0			
	Level4	2.0>2.5			
	Level5	2.5>3.0			

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen			
3.00	3.00	1.80	1.20	3.00	100			

Head of Department Computer Management R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

1

.

Semester (Theory/P ractical)	Course Code	Course Title	inment of Coi % of Students Passed in External Exam	Level of Attain ment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attain ment	40% of Attainme nt Level in end term exam	Attain ment of Course	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	BCA 501	Entrepreneurship Development	93.61	3	1.8	100	3	1.2	3	100
	BCA 502	Cyber Security	89.36	3	1.8	100	3	1.2	3	100
	BCA 503	ASP.NET	91.48	3	1.8	100	3	1.2	3	100
	BCA 504	Software Engineering	95.74	3	1.8	100	3	1.2	3	100
	BCA 505	Practical on ASP.Net	100	3	1.8	100	3	1.2	3	100
	BCA 506	Practical on CASE Tool with MSVISIO and Software Testing	100	3	1.8	100	3	1.2	3	100
	BCA 507	Field Work on IT Project Assessment	100	3	1.8	100	3	1.2	3	100
SEM VI	BCA 601	E-Commerce & M-Commerce	98.30	3	1.8	100	3	1.2	3	100
	BCA 602	Cloud Computing	98.3	3	1.8	100	3	1.2	3	100
	BCA 603	Android Application Development	94.11	3	1.8	100	3	1.2	3	100
1	BCA 604	Server Side Scripting using PHP	95.74	3	1.8	100	3	1.2	3	100
	BCA 605	Practical on Android & PHP	100	3	1.8	100	3	1.2	3	100
	BCA 606	Practical on Employability Skills	100	3	1.8	100	3	1.2	3	100
	BCA 607	Project Work	100	3	1.8	100	3	1.2	3	100
		1.2.2.2.			1.80			1.2	3.00	100

Calculation for Program Outcome Attainment for the Year 2018-19 (TYBCA) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Average Attainme nt by Direct Method	Average Attainment by Indirect Method	gram Outco 60% of Average Attainme nt by Direct Method	40% of Average Attainme nt by Indirect Method	Average PO Attainme nt	%PO Attainment
3.00	3	1.80	1.2	3.00	100

2ba

Head of Department Computer Application R.C.Putel Arts, Comm. & Sci. Collage Shirpur Dist Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semest er (Theor y/Pract ical)	Course Code	Course Title	% of Students Passed in External Exam	Course Outcome Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attain ment	40% of Attainment Level in end term exam	Attainm ent of Course	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	BCA 501	Entrepreneurship Development	100	3	1.8	100	3	1.2	3	100
1	BCA 502	Cyber Security	100	3	1.8	100	3	1.2	3	100
1	BCA 503	ASP.NET	100	3	1.8	100	3	1.2	3	100
SEM V	BCA 504	Software Engineering	100	3	1.8	100	3	1.2	3	100
SEMY	BCA 505	Practical on ASP.Net	100	3	1.8	100	3	1.2	3	100
1	BCA 506	Practical on CASE Tool with MSVISIO and Software Testing	100	3	1.8	100	3	1.2	3	100
1	BCA 507	Field Work on IT Project Assessment	100	3	1.8	100	3	1.2	3	100
1	BCA 601	E-Commerce & M-Commerce	100	3	1.8	100	3	1.2	3	100
1	BCA 602	Cloud Computing	100	3	1.8	100	3	1.2	3	100
t	BCA 603	Android Application Development	100	3	1.8	100	3	1.2	3	100
SEM	BCA 604	Server Side Scripting using PHP	100	3	1.8	100	3	1.2	3	100
VI	BCA 605	Practical on Android & PHP	100	3	1.8	100	3	1.2	3	100
	BCA 606	Practical on Employability Skills	100	3	1.8	100	3	1.2	3	100
	BCA 607	Project Work	100	3	1.8	100	3	1.2	3	100
-	0011007				1.80			1.2	3.00	100

Calculation for Program Outcome Attainment for the Year 2019-20(TYBCA)

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

Level1	<45% of students scoring more than average marks				
Level2	45-60% of students scoring more than average marks				
Level3	>60% of students scoring more than average marks				

	Pro	gram Outcome	Attainment		
Average Attainme nt by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3	1.80	1.2	3.00	100

apil

Head of Department Computer Application R.C.Puttel Arts, Comm. & Sci. College Shirpur Dist Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	Attainment of Cou % of Students Passed in External Exam	Level of Attainment	60% of Attainmen t Level in end term exam	% of Students Passed in Internal Exam	Level of Attainmen t	40% of Attainmen t Level in end term exam	Attainm ent of Course	%CO Attainn ent
	2	3	4	5	6	7	8	9	10=6+9	11
- 1	BCA 501	Entrepreneurship Development	100	3	1.8	100	3	1.2	3	100
	BCA 502	Cyber Security	100	3	1.8	100	3	1.2	3	100
	BCA 503	ASP.NET	100	3	1.8	100	3	1.2	3	100
		Software Engineering	100	3	1.8	100	3	1.2	3	100
SEM V	BCA 504 BCA 505	Practical on ASP.Net	100	3	1.8	100	3	1.2	3	100
	BCA 505	Practical on ASP Net Practical on CASE Tool with MSVISIO and Software Testing	100	3	1.8	100	3	1.2	3	100
	BCA 507	Field Work on IT Project Assessment	100	3	1.8	100	3	1.2	3	100
	BCA 601	E-Commerce & M-Commerce	100	3	1.8	100	3	1.2	3	100
	BCA 602	Cloud Computing	100	3	1.8	100	3	1.2	3	100
	BCA 603	Android Application Development	100	3	1.8	100	3	1.2	3	100
	BCA 604	Server Side Scripting using PHP	100	3	1.8	100	3	1.2	3	100
SEM VI	BCA 605	Practical on Android & PHP	100	3	1.8	100	3	1.2	3	100
	BCA 606	Practical on Employability Skills	100	3	1.8	100	3	1.2	3	100
	BCA 607	Project Work	100	3	1.8	100	3	1.2	3	100
	BCA 007	Project Work	100		1.80		-	1.2	3.00	100

Calculation for Program	Outcome Attainmen	it for the '	Year 2020-21(TYBCA)
-------------------------	-------------------	--------------	---------------------

	<45% of students scoring more than average			Program Outcome A	ttainment		
Level1	marks	Average	Average	60% of Average	40% of Average Attainment	Average	%PO
Level2	45-60% of students scoring more than average marks	Attainment by Direct	Attainment by Indirect Method	Attainment by Direct Method	by Indirect Method	PO Attainment	Attainment
	>60% of students scoring more than average	Method				1.1.1.1.1.1.1.1	
Level3	marks	3.00	3	1.80	1.2	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Bahil

Head of Department Computer Application R.C.Putel Arts,Comm. & Sci.College Shirpur Diat Dhule



0 286 R. C. Patel Arts, Commerce and Sciance College Shimut

_		Attainmen	t of Course Ou							
Semeste r (Theory /Practic al)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainmen t	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainm ent	40% of Attain ment Level in end term exam	Attain ment of Course	%CO Attain ment
1	2	3	4	5	6	7	8	9	10=6+9	11
1	BCA 501	Entrepreneurship Development	98.52	3	1.8	100	3	1.2	3	100
	BCA 502	Cyber Security	98.52	3	1.8	100	3	1.2	3	100
	BCA 503	ASP.NET	98.52	3	1.8	100	3	1.2	3	100
SEM V	BCA 504	Software Engineering	100	3	1.8	100	3	1.2	3	100
OLMI V	BCA 505	Practical on ASP.Net	100	3	1.8	100	3	1.2	3	100
	BCA 506	Practical on CASE Tool with MSVISIO and Software Testing	100	3	1.8	100	3	1.2	3	100
	BCA 507	Field Work on IT Project Assessment	100	3	1.8	100	3	1.2	3	100
	BCA 601	E-Commerce & M-Commerce	100	3	1.8	100	3	1.2	3	100
	BCA 602	Cloud Computing	100	3	1.8	100	3	1.2	3	100
	BCA 603	Android Application Development	100	3	1.8	100	3	1.2	3	100
SEM	BCA 604	Server Side Scripting using PHP	100	3	1.8	100	3	1.2	3	100
VI	BCA 605	Practical on Android & PHP	100	3	1.8	100	3	1.2	3	100
	BCA 606	Practical on Employability Skills	100	3	1.8	100	3	1.2	3	100
	BCA 607	Project Work	100	3	1.8	100	3	1.2	3	100
					1.80			1.2	3.00	100

Calculation for Program Outcome Attainment for the Year 2021-22(TYBCA)

				Program Outcome A	ttainment		
Level1	<45% of students scoring more than average marks	Average Attainment	Average Attainment by	60% of Average Attainment by	40% of Average Attainment by Indirect Method	Average PO	%PO Attainment
Level2	45-60% of students scoring more than average marks	by Direct Method	Indirect Method	Direct Method		Attainment	
Level3	>60% of students scoring more than average marks	3.00	3	1.80	1.2	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



Head of Department Computer Application R.C.Putel Arts,Comm. & Sci College Shirpur Dist Dhule



R. C. Patel Arts, Commerce and Science Coll

Science Col

Semester (Theory Practica	y/	rse Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainmen Level in en term exan	d Passed in	Level of Attainmen	40% of Attainme nt Level in end term exam	Attainment of Course Outcome	%Co Attainmer
1		2	3	4	5	6	7	8	9	10=6+9	11
	BC	CA 501	Entrepreneurship Development	57	2	1.2	100	3	1.2	2.4	80
	BC	CA 502	Cyber Security	83	3	1.8	100	3	1.2	3	100
	BC	CA 503	ASP.NET	67	3	1.8	100	3	1.2	3	100
SEM V	V BC	CA 504	Software Engineering	77	3	1.8	100	3	1.2	3	100
	BC	CA 505	Practical on ASP.Net	97	3	1.8	100	3	1.2	3	100
	BC	CA 506	Practical on CASE Tool with MSVISIO and Software Testing	97	3	1.8	100	3	1.2	3	100
	BC	CA 507	Field Work on IT Project Assessment	97	3	1.8	100	3	1.2	3	100
	BC	CA 601	E-Commerce & M-Commerce	88.88	3	1.8	100	3	1.2	3	100
	BO	CA 602	Cloud Computing	98.61	3	1.8	100	3	1.2	3	100
	BO	CA 603	Android Application Developmen	93.05	3	1.8	100	3	1.2	3	100
SEM V	BO	CA 604	Server Side Scripting using PHP	86.11	3	1.8	100	3	1.2	3	100
SEN Y		CA 605	Practical on Android & PHP	100	3	1.8	100	3	1.2	3	100
	BO	CA 606	Practical on Employability Skills	100	3	1.8	100	3	1.2	3	100
	BC	CA 607	Project Work	100	3	1.8	100	3	1.2	3	100
	1 - 1 - 1	1.00			L. LICE	1.80	1.1.1.1.1.1.1.1		1.20	2.96	98
Level1	<45% of stu	idents scor	ing more than average marks	Program Outco	ome Attainme	nt				10.000	
Level2	45-60% of s	students sc	oring more than average marks	Average Attainment by Direct Method		nt by At	% of Average ttainment by Dir ethod	rect At	% of Average tainment by direct Method	Average PO Attainment	%PO Attainment
Progr	ram Outcon	ne Level	Target Attainment	2.96	3.00	1.	80	1.3	20	3.00	100

Calculation for Program Outcome Attainment for the Year 2022-23(TYBCA)

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head of Department Computer Application R.C.Pillel Arts,Comm. & Sci.College Shirpur Dist Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

•

Semester (Theory/Practical)	Course Code	Course Title	Attainment of C % of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end ferm exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	BCOM 501	Indian Ec onomic Senario	91.42	3	1.8	100	3	1.2	3	100
	BCOM 502	Principal & practices of Auditing	100	3	1.8	100	3	1.2	3	100
	BCOM 503	Income Tax	54.28	2	1.2	100	3	1.2	2.4	80
SEM V	BCOM 504	Human Resourse Management	94.28	3	1.8	100	3	1.2	3	100
	BCOM 505	Morden Management Teq.	100	3	1.8	100	3	1.2	3	100
	BCOM 506	Advanced Account I	88.57	3	1.8	100	3	1.2	3	100
-	BCOM 507	Advanced Account II	80	3	1.8	100	3	1.2	3	100
	BCOM 601	Indian Ec onomic Senario	100	3	1.8	100	3	1.2	3	100
	BCOM 602	Principal & practices of Auditing	100	3	1.8	100	3	1.2	3	100
t in the second s	BCOM 603	Soft Skill	94.28	3	1.8	100	3	1.2	3	100
ł	BCOM 604	Human Resourse Management	97.14	3	1.8	100	3	1.2	3	100
SEM VI	BCOM 605	Morden Management Teq.	100	3	1,8	100	3	1.2	3	100
-	BCOM 606	Advanced Account I	80	3	1.8	100	3	1.2	3	100
-	BCOM 607	Advanced Account II	77.14	3	1.8	100	3	1.2	3	100
-	_				1.76			1.20	2.46	82

Calculation for Program Outcome Attalament for the Academic Year 2018-19 (Commerce)

Levell	<45% of students scoring more than average marks
Level2	45-60% of students seoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome Attainment			
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.46	3.00	1.76	1.20	2.\46	82
	ad of Departme Commerce	00	MMANDE 2	Principa Patel Arts, Com ience College,	e

57 |

			Attainmen	of Course Ou						-
Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	п
	BCOM 501	Indian Ec onomic Senario	97	3	1.8	100	3	1.2	3	100
	BCOM 502	Principal & practices of Auditing	100	3	1.8	100	3	1.2	3	100
	BCOM 503	Income Tax	75	3	1.8	100	3	1.2	3	100
SEM V	BCOM 504	Human Resourse Management	100	3	1.8	100	3	1.2	3	100
	BCOM 505	Morden Management Teq.	100	3	1.8	100	3	1.2	3	100
	BCOM 506	Advanced Account I	75	3	1.8	100	3	1.2	3	100
	BCOM 507	Advanced Account II	80	3	1.8	100	3	1.2	3	100
	BCOM 601	Indian Ec onomic Senario	100	3	1.8	100	3	1.2	3	100
	BCOM 602	Principal & practices of Auditing	100	3	1.8	100	3	1.2	3	100
	BCOM 603	Soft Skill	100	3	1.8	100	3	1.2	3	100
	BCOM 604	Human Resourse Management	100	3	1.8	100	3	1.2	3	100
SEM VI	BCOM 605	Morden Management Teq.	100	3	1.8	100	3	1.2	3	100
	BCOM 606	Advanced Account I	100	3	1.8	100	3	1.2	3	100
	BCOM 607	Advanced Account II	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (Commerce)

-

<45% of students scoring more than average marks			Program Outcome Attainme	nt		
45-60% of students scoring more than average marks	Average Attainment by	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by	Average PO Attainment	%PO Attainment
>60% of students scoring more than average marks	Direct Method			marreet method		
	3.00	3.00	1.80	1.20	3.00	100
	45-60% of students scoring more than average marks	45-60% of students scoring more than average marks Average Attainment by Direct Method	45-60% of students scoring more than average marks Average Attainment by Direct Method Average Attainment by Indirect Method	45-60% of students scoring more than average marks Average Attainment by Indirect Method 60% of Average Attainment by Direct Method >60% of students scoring more than average marks Direct Method 00% of Average Attainment by Direct Method	45-60% of students scoring more than average marks Average Attainment by Indirect Method 60% of Average Attainment by Direct Method 40% of Average Attainment by Indirect Method >60% of students scoring more than average marks >60% of students scoring more than average marks 10% of Average Attainment by Indirect Method 60% of Average Attainment by Indirect Method 40% of Average Attainment by Indirect Method	45-60% of students scoring more than average marks Average Attainment by Attainment by Direct Method 60% of Average Attainment by Direct Method 40% of Average Attainment by Indirect Method Average PO Attainment by Indirect Method Average PO Attainment by Indirect Method Average Attainment by Direct Method 40% of Average Attainment by Indirect Method Average PO Attainment by Indire

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

the Head of Lepartment Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

119P

58 |

			Attainment	of Course Outcon				40% of	1	T
Semester Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
·	BCOM 501	Indian Ec onomic Senario	100	3	1.8	100	3	1.2	3	100
	BCOM 502	Principal & practices of Auditing	100	3	1.8	100	3	1.2	3	100
	BCOM 503	Business Management	100	3	1.8	100	3	1.2	3	100
SEM V	BCOM 504	Income Tax	100	3	1.8	100	3	1.2	3	100
	BCOM 505	Human Resourse Management	100	3	1.8	100	3	1.2	3	100
	BCOM 506	Advanced Account I	100	3	1.8	100	3	1.2	3	100
	BCOM 507	Advanced Account II	100	3	1.8	100	3	1.2	3	100
	BCOM 601	Indian Ec onomic Senario	100	3	1.8	100	3	1.2	3	100
	BCOM 602	Principal & practices of Auditing	97.67	3	1.8	100	3	1.2	3	100
	BCOM 603	Business Management	93.02	3	1.8	100	3	1.2	3	100
	BCOM 604	Goods & Services Tax	90.67	3	1.8	100	3	1.2	3	100
SEM VI	BCOM 605	Human Resourse Management	100	3	1.8	100	3	1.2	3	100
	BCOM 606	Advanced Account I	86.04	3	1.8	100	3	1.2	3	100
	BCOM 607	Advanced Account II	88.37	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21(Commerce)

Levell	<45% of students scoring more than average marks					
Level2	45-60% of students scoring more than average marks					
Level3	>60% of students scoring more than average marks					
Program	o Outcome Level	Target Attainment				
	Level1	0.5>1.0				
-	Level2	1.0>1.5				
	Level3	1.5>2.0				
Level4		2.0>2.5				
Level5		2.5>3.0				

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen				
3.00	3.00	1.80	1.20	3.00	100				

Head of Department Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



Plate

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester Theory/Practical)	Course Code	Course Title	Inment of Course Ou % of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	1	4	5	6	7	8	9	10=6+9	11
	BCOM 501	Indian Ec onomic Senario	71.64	3	1.8	100	3	1.2	3	100
	BCOM 502	Principal & practices of Auditing	82.08	3	1.8	100	3	1.2	3	100
	BCOM 503	Business Management	82.08	3	1.8	100	3	1.2	3	100
SEM V	BCOM 504	Income Tax	97	3	1.8	100	3	1.2	3	100
	BCOM 505	Human Resourse Management	89.55	3	1.8	100	3	1.2	3	100
	BCOM 505	Advanced Account I	67.16	3	1.8	100	3	1.2	3	100
	BCOM 507	Advanced Account II	92.53	3	1.8	100	3	1.2	3	100
	BCOM 601	Indian Economic Senario	100	3	1.8	100	3	1.2	3	100
	BCOM 602	Principal & practices of Auditing	98	3	1.8	100	3	1.2	3	100
	BCOM 603	Business Management	100	3	1.8	100	3	1.2	3	100
	BCOM 604	Goods & Services Tax	100	3	1.8	100	3	1.2	3	100
SEM VI	BCOM 605	Human Resourse Management	100	3	1.8	100	3	1.2	3	100
	BCOM 605	Advanced Account I	98	3	1.8	100	3	1.2	3	100
	BCOM 607	Advanced Account II	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

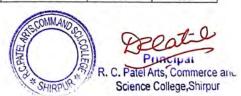
Calculation for Program Outcome Attainment for the Academic Year 2021-22 (Commerce)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen				
3.00	3.00	1.80	1.20	3.00	100				

K Head of Supertment Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



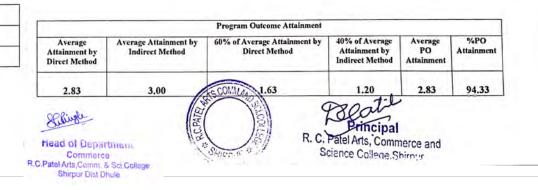
60 |

			Attainment of	Course Oulcome	to an and the second se					
Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end ferm exam	Attainment of Course Outcome	%CO Attainment
i.	2	3	4	5	6	7	8	9	10=6+9	11
	BCOM 501	Indian Ec onomic Senario	78.26	3	1.8	100	3	1.2	3	100
	BCOM 502	Principal & practices of Auditing	84	3	1.8	100	3	1.2	3	100
	BCOM 503	Business Management	85	3	1.8	100	3	1.2	3	100
SEM V	BCOM 504	Income Tax	63.76	3	1.8	100	3	1.2	3	100
-	BCOM 505	Human Resourse Management	83.82	3	1.8	100	3	1.2	3	100
	BCOM 506	Advanced Account I	32.35	1	0.6	100	3	1.2	1.8	60
	BCOM 507	Advanced Account II	50	2	1.2	100	3	1.2	2.4	80
	BCOM 601	Indian Ec onomic Senario	90.9	3	1.8	100	3	1.2	3	100
	BCOM 602	Principal & practices of Auditing	96.96	3	1.8	100	3	1.2	3	100
	BCOM 603	Business Management	83.33	3	1.8	100	3	1.2	3	100
	BCOM 604	Goods & Services Tax	74.24	3	1.8	100	3	1.2	3	100
SEM VI	BCOM 605	Human Resourse Management	86.36	3	1.8	100	3	1.2	3	100
	BCOM 606	Advanced Account I	54.54	2	1.2	100	3	1.2	2.4	100
	BCOM 607	Advanced Account II	60.6	3	1.8	100	3	1.2	3	100
					1.63			1.20	2.83	94.33

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (Commerce)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		



			Attainment of Con	irse Outcome						
Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end ferm exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmer
1	2	3	4	5	6	7	8	9	10=6+9	п
	MCOM 301	Maagement Accounting I	75	3	1.8	100	3	1.2	3	100
	MCOM 302	Enterpeniurship Development	85	3	1.8	100	3	1.2	3	100
SEM III	MCOM 303	Organisational Behaviour	90	3	1.8	100	3	1.2	3	100
	MCOM 304	Advanced Accountancy	75	3	1.8	100	3	1.2	3	100
	MCOM 401	Maagement Accounting II	75	3	1.8	100	3	1.2	3	100
	MCOM 402	Mordern Retail Management	81.25	3	1.8	100	3	1.2	3	100
SEM IV	MCOM 403	Information System For Business	75	3	1.8	100	3	1.2	3	100
	MCOM 404	Advanced Accountancy	75	3	1.8	100	3	1.2	3	100
	-				1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (Commerce)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

		Program Outcome Attainn	nent		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head of Department Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dia: Dhule



Principal

r. C. Patel Arts, Commerce and Science College,Shirpur

-

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end ferm exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	MCOM 301	Maagement Accounting I	90	3	1.8	100	3	1.2	3	100
1.5.1	MCOM 302	Enterpeniurship Development	100	3	1.8	100	3	1.2	3	100
SEM III	MCOM 303	Organisational Behaviour	100	3	1.8	100	3	1.2	3	100
	MCOM 304	Advanced Accountancy	85	3	1.8	100	3	1.2	3	100
	MCOM 401	Maagement Accounting II	100	3	1.8	100	3	1.2	3	100
1	MCOM 402	Mordern Retail Management	100	3	1.8	100	3	1.2	3	100
SEM IV	MCOM 403	Information System For Business	100	3	1.8	100	3	1.2	3	100
	MCOM 404	Advanced Accountancy	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (Commerce)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

		Program Outcome Attainn	nent	States and States	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head of Department Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end ferm exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
·	MCOM 301	Maagement Accounting I	100	3	1.8	100	3	1.2	3	100
1. A. A.	MCOM 302	Enterpeniurship Development	100	3	1.8	100	3	1.2	3	100
SEM III	MCOM 303	Organisational Behaviour	100	3	1.8	100	3	1.2	3	100
	MCOM 304	Advanced Accountancy	100	3	1.8	100	3	1.2	3	100
	MCOM 401	Maagement Accounting II	100	3	1.8	100	3	1.2	3	100
127 1	MCOM 402	Mordern Retail Management	100	3	1.8	100	3	1.2	3	100
SEM IV	MCOM 403	Corp. social responsibility	100	3	1.8	100	3	1.2	3	100
	MCOM 404	Advanced Accountancy	100	3	1.8	100	3	1.2	3	100
			_		1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (Commerce)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

1000		Program Outcome Attainn	nent	Section 2.	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head of Department Commerce R.C.Patel Arts.Comm & Sci.College Shint St Dhule



64 |

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainmen I	60% of Attainmen I Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainmen t Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	n
	MCOM 301	Maagement Accounting I	93.87	3	1.8	100	3	1.2	3	100
	MCOM 302	Enterpeniurship Development	100	3	1.8	100	3	1.2	3	100
SEM III	MCOM 303	Organisational Behaviour	97.95	3	1.8	100	3	1.2	3	100
	MCOM 304	Advanced Accountancy	95.91	3	1.8	100	3	1.2	3	100
	MCOM 401	Maagement Accounting II	89.79	3	1.8	100	3	1.2	3	100
	MCOM 402	Mordern Retail Management	87.75	3	1.8	100	3	1.2	3	100
SEM IV	MCOM 403	Corp. social responsibility	93.87	3	1.8	100	3	1.2	3	100
	MCOM 404	Advanced Accountancy	97.95	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (Commerce)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainmen		
Levell	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment				
3.00	3	1.80	1.2	3.00	100				

Head of Department Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



65 |

		Α	ttainment of (Course Oute	ome					
Semester (Theory/Practi cal)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainme nt	60% of Attainme nt Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainme nt Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	MCOM 301	Maagement Accounting I	43.33	1	0.6	100	3	1.2	1.8	60
SEM III	MCOM 302	Enterpeniurship Development	86.66	3	1.8	100	3	1.2	3	100
	MCOM 303	Organisational Behaviour	100	3	1.8	100	3	1.2	3	100
	MCOM 304	Advanced Accountancy	66.66	3	1.8	100	3	1.2	3	100
	MCOM 401	Maagement Accounting II	75.6	3	1.8	100	3	1.2	3	100
	MCOM 402	Mordern Retail Management	97.56	3	1.8	100	3	1.2	3	100
SEM IV	MCOM 403	Corp. social responsibility	97.56	3	1.8	100	3	1.2	3	100
	MCOM 404	Advanced Accountancy	100	3	1.8	100	3	1.2	3	100
				-	1.65			1.20	2.85	95

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (Commerce)

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

Program Outcome Attainment									
Average Average Attainment Attainment by by Indirect Method		60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment				
2.85	3.00	1.65	1.20	2.85	95				

Head of Department

Commerce R.C.Patel Arts,Comm. & Sci.College Shirpur Dist Dhule



C. Hard Altha Commerce and

Science College Storpur

66 |

1

:

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-311	System Programing	100	3	1.8	79	3	1.2	3	100
	CS-312	Database Management System	100	3	1.8	100	3	1.2	3	100
	CS-312	Software Engineering	100	3	1.8	80	3	1.2	3	100
	CS-314	Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
the store is	CS-315	Programing in VB.NET	100	3	1.8	70	3	1.2	3	100
SEMV	CS-316	Programing in Java -I	100	3	1.8	95	3	1.2	3	100
F	CS-301	Lab on system Programing	100	3	1.8	100	3	1.2	3	100
	CS-302	Lab on Programing in VB.NET and Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
	CS-303	Lab on Java Programing I	100	3	1.8	100	3	1.2	3	100
	CS-321	Operating System	93.05	3	1.8	62	3	1.2	3	100
1	CS-322	MS SQL Server	97.22	3	1.8	78	3	1.2	3	100
	CS-323	Internet Programing Using PHP	95.83	3	1.8	58	2	0.8	2.6	86
1	CS-323	Theoretical Computer Science	97.22	3	1.8	76	3	1.2	3	100
	CS-324	Computer network	95.83	3	1.8	66	3	1.2	3	100
SEM VI	CS-325	Programing in Java-II	88.88	3	1.8	60	3	1.2	3	100
	CS-320	Lab on MS SQL Server	100	3	1.8	100	3	1.2	3	100
	CS- 305	Lab on Internet Programing Using in PHP	100	3	1.8	100	3	1.2	3	100
	CS-306	Lab on Programing in Java -II	100	3	1.8	100	3	1.2	3	100
					1.80		14	1.20	2.98	99

Calculation for Program Outcome Attainment for the Year 2018-19(TY-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	

Program Outcome Level	Target Attainment	
Level1	0.5>1.0	
Level2	1.0>1.5	
Level3	1.5>2.0	
Level4	2.0>2.5	
Level5	2.5>3.0	

	Program	n outcome Att	ainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	50% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.98	3.00	1.80	1.20	3.00	100

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur

HIRE

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester Theory/ Practical	Course Code	Course Title	% of Student Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-311	System Programing	100	3	1.8	88	3	1.2	3	100
	CS-312	Database Management System	100	3	1.8	100	3	1.2	3	100
	CS-313	Software Engineering	100	3	1.8	80	3	1.2	3	100
	CS-314	Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
1.0.000	CS-315	Programing in VB.NET	100	3	1.8	90	3	1.2	3	100
SEM V CS-33	CS-316	Programing in Java -I	100	3	1.8	95	3	1.2	3	100
	CS-301	Lab on system Programing	100	3	1.8	100	3	1.2	3	100
	CS-302	Lab on Programing in VB.NET & Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
	CS- 303	Lab on Java Programing I	100	3	1.8	100	3	1.2	3	100
	CS-321	Operating System	100	3	1.8	88	3	1.2	3	100
	CS-322	MS SQL Server	100	3	1.8	78	3	1.2	3	100
	CS-323	Internet Programing Using PHP	100	3	1.8	89	3	1.2	3	100
	CS-324	Theoretical Computer Science	100	3	1.8	76	3	1.2	3	100
12.30	CS-325	Computer network	100	3	1.8	66	3	1.2	3	100
SEM VI	CS-326	Programing in Java-II	100	3	1.8	60	3	1.2	3	100
	CS- 304	Lab on MS SQL Serve	100	3	1.8	100	3	1.2	3	100
	CS-305	Lab on Internet Programing Using in PHP	100	3	1.8	100	3	1.2	3	100
	CS-306	Lab on Programing in Java -II	100	3	1.8	100	3	1.2	3	100
			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Year 2019-20(TY-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	

· · · · · · · · · · · · · · · · · · ·	-	Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	50% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur

Principa R. C. Patel Arts, Commerce and Science College.Shirour

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-501	System Programing	100	3	1.8	79	3	1.2	3	100
	CS-502	Database Management System	100	3	1.8	100	3	1.2	3	100
	CS-503	Software Engineering	100	3	1.8	80	3	1.2	3	100
	CS-504	Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
SEM V	CS-505	Python Programming -I	100	3	1.8	56	2	0.8	2.6	86
SLIVIY	CS-506	Java Programing -I	100	3	1.8	95	3	1.2	3	100
	CS-507	Lab on Python Programming -I	100	3	1.8	100	3	1.2	3	100
	CS-508	Lab on Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
	CS-509	Lab on java Programming -I	100	3	1.8	100	3	1.2	3	100
	CS-601	Operating System	100	3	1.8	70	3	1.2	3	100
	CS-602	R-DBMS	100	3	1.8	78	3	1.2	3	100
	CS-603	Computer Network	100	3	1.8	82	3	1.2	3	100
1.1	CS-604	Theoretical Computer Science	100	3	1.8	76	3	1.2	3	100
SEM VI	CS-605	Python Programming -II	100	3	1.8	80	3	1.2	3	100
	CS-606	Java Programing -II	100	3	1.8	85	3	1.2	3	100
1.13	CS-607	Lab on java Programming -II	100	3	1.8	100	3	1.2	3	100
	CS-608	Lab on Python Programming -II	100	3	1.8	100	3	1.2	3	100
- 1	CS-609	Lab on R-DBMS	100			100	3	1.2		100
	1			1.	1.80	100000000000000000000000000000000000000		1.20	2.98	99

Calculation for Program Outcome Attainment for the Year 2020-21(TY-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program out	come Attainme	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.98	3.00	1,80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-501	System Programing	100	3	1.8	79	3	1.2	3	100
	CS-502	Database Management System	100	3	1.8	100	3	1.2	3	100
	CS-503	Software Engineering	100	3	1.8	80	3	1.2	3	100
	CS-504	Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
SEM V	CS-505	Python Programming -I	100	3	1.8	56	2	0.8	2.6	86
	CS-506	Java Programing -I	100	3	1.8	95	3	1.2	3	100
	CS-507	Lab on Python Programming -I	100	3	1.8	100	3	1.2	3	100
	CS-508	Lab on Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
	CS-509	Lab on java Programming -I	100	3	1.8	100	3	1.2	3	100
	CS-601	Operating System	100	3	1.8	62	3	1.2	3	100
	CS-602	R-DBMS	100	3	1.8	78	3	1.2	3	100
	CS-603	Computer Network	100	3	1.8	58	2	0.8	2.6	86
	CS-604	Theoretical Computer Science	100	3	1.8	76	3	1.2	3	100
SEM VI	CS-605	Python Programming -II	100	3	1.8	66	3	1.2	3	100
	CS-606	Java Programing -II	100	3	1.8	60	3	1.2	3	100
	CS-607	Lab on java Programming -II	100	3	1.8	100	3	1.2	3	100
	CS-608	Lab on Python Programming -II	100	3	1.8	100	3	1.2	3	100
	CS-609	Lab on R-DBMS	100	3	1.8	100	3	1.2	3	100
				A	1.80	1		1.20	2.96	98

Calculation for Program Outcome Attainment for the Year 2021-22(TY-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program outcome Attainment 60% of 40% of %PO Average Average Average Attainment Average Attainment Attainment Attainment Attainment Average by Direct by Indirect by Direct by Indirect PO Method Method Method Method Attainment 2.96 3.00 1.80 1.20 3.00 100

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Titles	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed In Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-501	System Programing	100	3	1.8	79	3	1.2	3	100
	CS-502	Database Management System	100	3	1.8	100	3	1.2	3	100
	CS-503	Software Engineering	100	3	1.8	80	3	1.2	3	100
	CS-504	Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
SEMV	CS-505	Python Programming -I	100	3	1.8	56	2	0.8	2.6	86
	CS-506	Java Programing -I	100	3	1.8	95	3	1.2	3	100
	CS-507	Lab on Python Programming -I	100	3	1.8	100	3	1.2	3	100
	CS-508	Lab on Computer Aided Graphics	100	3	1.8	100	3	1.2	3	100
	CS-509	Lab on java Programming -I	100	3	1.8	100	3	1.2	3	100
	CS-601	Operating System	80.82	3	1.8	62	3	1.2	3	100
	CS-602	R-DBMS	91.57	3	1.8	78	3	1.2	3	100
1	CS-603	Computer Network	89.16	3	1.8	58	2	0.8	2.6	86
	CS-604	Theoretical Computer Science	96.39	3	1.8	76	3	1.2	3	100
SEM VI	CS-605	Python Programming -II	80.72	3	1.8	66	3	1.2	3	100
	CS-606	Java Programing -II	91.57	3	1.8	60	3	1.2	3	100
	CS-607	Lab on java Programming -II	100	3	1.8	100	3	1.2	3	100
	CS-608	Lab on Python Programming -II	100	3	1.8	100	3	1.2	3	100
1	CS-609	Lab on R-DBMS	100	3	1.8	100	3	1.2	3	100
				T	1.80			1.20	2.96	98

Calculation for Program Outcome Attainment for the Year 2022-23(TY-CS)	
Attainment of Course Outcome	

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.96	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur

SHIRP

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-301	Software Engineering	100	3	1.8	100	3	1.2	3	100
SEM III	CS-302	Optimization Algorithm	100	3	1.8	100	3	1.2	3	100
	CS-303	Internet Computing	100	3	1.8	100	3	1.2	3	100
	CS-304	Windows and Visual C++ Programing	100	3	1.8	100	3	1.2	3	100
	CS-305	Lab-V Windows and VC++ Programing	100	3	1.8	100	3	1.2	3	100
_	CS-306	Lab -Vi Internet Computing	100	3	1.8	100	3	1.2	3	100
	CS-401	Natural language processing	100	3	1.8	100	3	1.2	3	100
SEM IV	CS-402	Advance network programming	100	3	1.8	100	3	1.2	3	100
	CS-403	Data Mining	100	3	1.8	100	3	1.2	3	100
	CS-404	Lab-VI lab on network programming and data mining	100	3	1.8	100	3	1.2	3	100
	CS-405	Mini-Project	96.29	3	1.8	100	3	1.2	3	100
			1		1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Year 2018-19(MSC-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	

		Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment	
Level1	0.5>1.0	
Level2	1.0>1.5	
Level3	1.5>2.0	
Level4	2.0>2.5	
Level5	2.5>3.0	

Head of Department Computer Sciencs R.C.Patricity Computer Science

A41.1

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-301	Machine Learning	100	3	1.8	79	3	1.2	3	100
		Web Application Development Technology	100	3	1.8	100	3	1.2	3	100
	CS-302	Contract of Contract of Construction of the	100	3	1.8	80	3	1.2	3	100
SEM III	CS-303	Computer Graphics and Digital Image Processing	100	3	1.8	100	3	1.2	3	100
	CS-304	Software Engineering	1-171	3	1.8	56	2	1.2	2.6	86
111	CS-305 (B)		100	3		95	3	1.2	3	100
	Lab V	Lab on web application development technology	100	1	1.8				3	100
	Lab VI	Lab on Computer Graphics and Digital Image Processing	100	3	1.8	70	3	1.2		100
SEM IV	CS-401	Project Full time Industrial Training	100	3	1.8	62	3	1.2	3	98

Calculation for Program Outcome Attainment for the Year 2019-20(MSC-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.95	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur



Principal R. C. Patel Arts, Commerce and Science College.Shirour

73 |

Semester (Theory/ Practical)	Course Code	Course Title	% of Student s Passed In External Exam	Level of Attainment	60% of Attainmen t Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment Of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-301	Machine Learning	100	3	1.8	79	3	1.2	3	100
1 1 1	CS-302	Web Application Development Technology	100	3	1.8	100	3	1.2	3	100
Red di	CS-303	Computer Graphics and Digital Image Processing	100	3	1.8	80	3	1.2	3	100
SEM III	CS-304	Software Engineering	100	3	1.8	100	3	1.2	3	100
CON	CS-305 (B)	Optimization Algorithms	100	3	1.8	56	2	0.8	2.6	86
	Lab V	Lab on web application development technology	100	3	1.8	95	3	1.2	3	100
1 - 1	Lab VI	Lab on Computer Graphics and Digital Image Processing	100	3	1.8	70	3	1.2	3	100
	CS-401	Project Full time Industrial Training	100	3	1.8	62	3	1.2	3	100
SEM IV					1.80		i	1.20	2.95	98

Calculation for Program Outcome Attainment for the Year 2020-21(MSC-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.95	3.00	1.80	1.20	3.00	100





Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-301	Web Application Development Technology	100	3	1.8	85	3	1.2	3	100
	CS-302	Digital Image Processing	100	3	1.8	97	3	1.2	3	100
	CS-303	Software Engineering	100	3	1.8	80	3	1.2	3	100
	CS-304	Big data Analytics	100	3	1.8	100	3	1.2	3	100
	Lab V	Lab on Web Application Development Technology	100	3	1.8	100	3	1.2	3	100
	Lab VI	Lab on Digital Image Processing	100	3	1.8	100	3	1.2	3	100
	CS-401	Natural Language Processing	100	3	1.8	62	3	1.2	3	100
	CS-402	Data warehouse and Data Mining	100	3	1.8	78	3	1.2	3	100
	CS-403	Optimization Algorithms	100	3	1.8	58	2	0.8	2.6	86
SEM IV	Lab VII	Lab on Data warehouse and Data Mining	100	3	1.8	100	3	1.2	3	100
	CS-405	Mini-Project	100	3	1.8	70	3	1.2	3	100
	1.762.1			1.1	1.80	1		1.20	2.96	98

Calculation for Program Outcome Attainment for the Year 2021-22(MSC-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.96	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	CS-301	Web Application Development Technology	100	3	1.8	85	3	1.2	3	100
	CS-302	Digital Image Processing	100	3	1.8	97	3	1.2	3	100
-	CS-303	Software Engineering	100	3	1.8	80	3	1.2	3	100
SEM III	CS-304	Big data Analytics	100	3	1.8	100	3	1.2	3	100
	Lab V	Lab on Web Application Development Technology	100	3	1.8	100	3	1.2	3	100
	Lab VI	Lab on Digital Image Processing	100	3	1.8	100	3	1.2	3	100
	CS-401	Natural Language Processing	100	3	1.8	62	3	1.2	3	100
1000	CS-402	Data warehouse and Data Mining	100	3	1.8	78	3	1.2	3	100
	CS-403	Optimization Algorithms	100	3	1.8	58	2	0.8	2.6	86
SEM IV	Lab VII	Lab on Data warehouse and Data Mining	100	3	1.8	100	3	1.2	3	100
	405	Mini-Project	100	3	1.8	70	3	1.2	3	100
					1.80			1.20	2.96	98

Calculation for Program Outcome Attainment for the Year 2022-23(MSC-CS) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program out	come Attainm	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.96	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Head of Department Computer Sciencs R.C.Patel Arts,Comm.& Sci College,Shirpur



R. C. Patel Arts, Commerce and Science College, Shirpur

4

.

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10	11
	MTH-351	Topics in Metric Spaces	100	3	1.8	100	3	1.2	3	100
	MTH-352	Integral Calculus	100	3	1,8	100	3	1.2	3	100
	MTH-353	Modern Algebra	100	3	1.8	100	3	1.2	3	100
	MTH-354	Lattice Theory	100	3	1.8	100	3	1,2	3	100
SEM-V	MTH-355	C-Programming	100	3	1.8	100	3	1.2	3	100
SEIVI-V	MTH-356	Vector Analysis	100	3	1.8	100	3	1.2	3	100
	MTH-357	Practical Course based on (MTH-351,352)	100	3	1.8	100	3	1.2	3	100
	MTH-358	Practical. Course based on (MTH-353,354)	100	3	1.8	100	3	1.2	3	100
	MTH-359	Practical. Course based on (MTH-355,356)	100	3	1.8	100	3	1.2	3	100
	MTH-361	Measure and integration Theory	100	3	1.8	100	3	1.2	3	100
	MTH-362	Method of Real Analysis	100	3	1.8	100	3	1.2	3	100
	MTH-363	Linear Algebra	100	3	1.8	100	3	1.2	3	100
	MTH-364	Ordinary and Partial Differential Equations	100	3	1.8	100	3	1.2	3	100
and the second	MTH-365	Optimization Techniques	100	3	1.8	100	3	1.2	3	100
SEM VI	MTH-366	Differential Geometry	100	3	1.8	100	3	1.2	3	100
	MTH-367	Practical Course based on (MTH-361,362)	100	3	1.8	100	3	1.2	3	100
	MTH-368	Practical Course based on (MTH-363,364)	100	3	1.8	100	3	1.2	3	100
	MTH-369	Practical Course based on (MTH-365,366)	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Year 2018-19 Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	_

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Progra	am Outcome A	ttainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

FIEAD Department Of Mathematics R.C.Patel Arts.C: mm % Soi.College Shirpur

FRINCIPAL R.C.Patel Art's, Commerce and Science, College, Shirpur, Cist. Dhule

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10	11
	MTH-351	Topics in Metric Spaces	100	3	1.8	100	3	1.2	3	100
	MTH-352	Integral Calculus	95	3	1.8	100	3	1.2	3	100
	MTH-353	Modern Algebra	95	3	1.8	100	3	1.2	3	100
	MTH-354	Lattice Theory	100	3	1.8	100	3	1.2	3	100
	MTH-355	C-Programming	100	3	1.8	100	3	1.2	3	100
	MTH-356	Vector Analysis	95	3	1.8	100	3	1.2	3	100
SEM-V	MTH-357	Practical Course based on (MTH-351,352)	100	3	1.8	100	3	1.2	3	100
1.00	MTH-358	Practical Course based on (MTH-353,354)	100	3	1.8	100	3	1.2	3	100
	MTH-359	Practical Course based on (MTH-355,356)	100	3	1.8	100	3	1,2	3	100
	MTH-361	Measure and integration Theory	100	3	1.8	100	3	1.2	3	100
	MTH-362	Method of Real Analysis	95	3	1.8	100	3	1.2	3	100
	MTH-363	Linear Algebra	100	3	1.8	100	3	1.2	3	100
	MTH-364	Ordinary and Partial Differential Equations	95	3	1.8	100	3	1.2	3	100
	MTH-365	Optimization Techniques	100	3	1.8	100	3	1.2	3	100
	MTH-366	Differential Geometry	100	3	1.8	100	3	1.2	3	100
SEM VI	MTH-367	Practical Course based on (MTH-361,362)	100	3	1.8	100	3	1.2	3	100
	MTH-368	Practical Course based on (MTH-363,364)	100	3	1.8	100	3	1.2	3	100
	MTH-369	Practical Course based on (MTH-365,366)	100	3	1.8	100	3	1.2	3	100
				3	1.80		1	1.20	3.00	100

Calculation for Program Outcome Attainment for the Year 2019-20 Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
LevelS	2.5>3.0		

Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

MMA HEAD Department Of Mathematics ą.

H.C.Patal Art's,Commerce and Science,College,Shirpur,Dist.Dhule

. .

Calculation for Program Outcome Attainment for the Year 2020-21

Attainment of Course Outcome

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10	11
SEM - III	MT-301	Topics in Functional Analysis	100	3	1.8	100	3	1.2	3	100
	MT-302	Statistical Techniques	100	3	1.8	100	3	1.2	3	100
	MT-303	Topics in Field Theory	100	3	1.8	100	3	1.2	3	100
1	MT-306	Theory of Lattices	100	3	1.8	100	3	1.2	3	100
	MT-307	Elements of Graph Theory	100	3	1.8	100	3	1.2	3	100
SEM - IV	MT-401	Advanced Mathematical Methods	100	3	1.8	100	3	1.2	3	100
	MT-402	Operations Research	100	3	1.8	100	3	1.2	3	100
	MT-403	Commutative Algebra	100	3	1.8	100	3	1.2	3	100
	MT-406	Algebraic Topology	100	3	1.8	100	3	1.2	3	100
	MT-407	Linear Integral Equations	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment Average PO % PO Attainment Average Average Attainment by 60% of Average 40% of Average Attainment by Attainment by Indirect Method Attainment Attainment by Direct Indirect Method Direct Method Method 3.00 1.80 1.20 3.00 100 3.00 COMMAND

* SH

INCIPAL R.C.Patel Art's,Commerce and Science,College,Shirpur,Dist.Dhule

Department Of Mathematics B C.Patel Arts. Comm. & Sci. College Shirpur

HEAD

Semester Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainme nt Level In end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10	11
SEM V	MTH-501	Metric Spaces.	100	3	1.8	100	3	1.2	3	100
	MTH-502	Real Analysis –I	100	3	1.8	100	3	1.2	3	100
	MTH-503	Algebra	100	3	1.8	100	3	1.2	3	100
	MTH-504	Lattice Theory	100	3	1,8	100	3	1.2	3	100
	MTH-505	Integral Transforms	100	3	1.8	100	3	1.2	3	100
	MTH-506	Number Theory	100	3	1,8	100	3	1.2	3	100
	MTH-507	Practical Course based on (MTH- 501,502)	100	3	1.8	100	3	1.2	3	100
	MTH-508	Practical Course based on (MTH- 503,504)	100	3	1.8	100	3	1.2	3	100
	MTH-509	Practical Course based on (MTH- 505,506)	100	3	1.8	100	3	1.2	3	100
SEM VI	MTH-601	Measure Theory	100	3	1.8	100	3	1.2	3	100
	MTH-602	Real Analysis - II	100	3	1.8	100	3	1.2	3	100
	MTH-603	Linear Algebra	100	3	1.8	100	3	1.2	3	100
	MTH-604	Ordinary and Partial Differential Equations	100	3	1.8	100	3	1.2	3	100
	MTH-605	Graph Theory	100	3	1.8	100	3	1,2	3	100
	MTH-606	Operations Research	100	3	1.8	100	3	1.2	3	100
	MTH-607	Practical Course based on (MTH- 601,602)	100	3	1.8	100	3	1.2	3	100
	MTH-608	Practical Course based on (MTH- 603,604)	100	3	1.8	100	3	1.2	3	100
	MTH-609	Practical Course based on (MTH- 605,606)	100	3	1.8	100	3	1.2	3	100
				1.1	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Year 2021-22 Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Program O	utcome Attainmen			
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

HEAD Department Of Mathematics R.C.Patel Arts,Comm.& Sci.College Shirpur

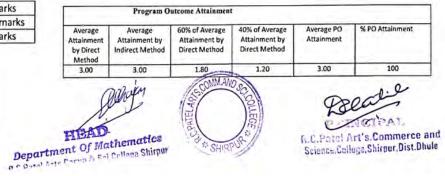
R.C.Patel Art's,Commerce and Science,Colloge,Shirpur,Dist.Dhule

Calculation for Program Outcome Attainment for the Year 2022-23 Attainment of Course Outcome

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course	%CO Attainment
1	2	3	4	s	6	7	8	9	10	11
SEM V	MTH-501	Metric Spaces.	100	3	1.8	100	3	1.2	3	100
	MTH-502	Real Analysis -I	95.83	3	1.8	100	3	1.2	3	100
	MTH-503	Algebra	91.66	3	1.8	100	3	1.2	3	100
	MTH-504	Lattice Theory	100	3	1.8	100	3	1.2	3	100
	MTH-505	Integral Transforms	100	3	1.8	100	3	1.2	3	100
	MTH-506	Number Theory	100	3	1.8	100	3	1.2	3	100
	MTH-507	Practical Course based on (MTH-501,502)	100	3	1.8	100	3	1.2	3	100
- 4	MTH-508	Practical Course based on (MTH-503,504)	100	3	1.8	100	3	1.2	3	100
-	MTH-509	Practical course based on (MTH-505,506)	100	3	1.8	100	3	1.2	3	100
SEM VI	MTH-601	Measure Theory	100	3	1.8	100	3	1.2	3	100
	MTH-602	Real Analysis – II	95.83	3	1.8	100	3	1.2	3	100
6.00	MTH-603	Linear Algebra	91.66	3	1.8	100	3	1.2	3	100
1.3	MTH-604	Ordinary and Partial Differential Equations	100	3	1.8	100	3	1.2	3	100
1.1.1	MTH-605	Graph Theory	100	3	1.8	100	3	1,2	3	100
1	MTH-606	Operations Research	100	3	1.8	100	3	1,2	3	100
1.0	MTH-607	Practical Course based on (MTH-601,602)	100	3	1.8	100	3	1.2	3	100
1.0	MTH-608	Practical Course based on (MTH-603,604)	100	3	1.8	100	3	1.2	3	100
- 1	MTH-609	Practical Course based on (MTH-605,606)	100	3	1.8	100	3	1.2	3	100
F					1.80			1.20	3.00	100

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
LevelS	2.5>3.0



81 |

.

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainme nt	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10	11
	MT-301	Topics in Functional Analysis	70.35	3	1.8	100	3	1.2	3	100
	MT-302	Statistical Techniques	84.21	3	1.8	100	3	1.2	3	100
SEM - III	MT-303	Topics in Field Theory	55.56	2	1.2	100	3	1.2	2.4	100
	MT-306	Theory of Lattices	35.44	1	0.6	100	3	1.2	1.8	100
	MT-307	Elements of Graph Theory	81.38	3	1.8	100	3	1.2	3	100
	MT-401	Advanced Mathematical Methods	75.86	3	1.8	100	3	1.2	3	100
	MT-402	Operations Research	86.21	3	1.8	100	3	1.2	3	100
	MT-403	Commutative Algebra	57.72	2	1.2	100	3	1.2	2.4	100
SEM - IV	MT-406	Algebraic Topology	34.48	1	0.6	100	3	1.2	1.8	100
	MT-407	Linear Integral Equations	86.21	3	1.8	100	3	1.2	3	100
		S	1		1.44	100		1.20	2.64	100

Calculation for Program Outcome Attainment for the Year 2018-19 MSC Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

	Program O	utcome Attainmen	t		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
2.64	3.00	1.44	1.20	2.64	88.00

1.100	
Station	
NTEAD	
Department Of Mathematics R.C.Patel Arts.Comm.& Sci.College Shirps	

R.C.Patel Art's, Commerce and Science, College, Shirpur, Dist, Dhule

.

	marks	
Level3	>60% of studen	its scoring more than average marks
Program O	utcome Level	Target Attainment

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Calculation for Program Outcome Attainment for the Year 2019-20 Attainment of Course Outcome

Semester (Theory/Pr actical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10	11
SEM - 111	MT-301	Topics in Functional Analysis	100	3	1.8	100	3	1.2	3	100
	MT-302	Statistical Techniques	100	3	1.8	100	3	1.2	3	100
	MT-303	Topics in Field Theory	100	3	1.8	100	3	1.2	3	100
	MT-306	Theory of Lattices	100	3	1.8	100	3	1.2	3	100
	MT-307	Elements of Graph Theory	100	3	1.8	100	3	1.2	3	100
SEM - IV	MT-401	Advanced Mathematical Methods	100	3	1.8	100	3	1.2	3	100
	MT-402	Operations Research	100	3	1.8	100	3	1.2	3	100
-	MT-403	Commutative Algebra	100	3	1.8	100	3	1.2	3	100
	MT-406	Algebraic Topology	100	3	1.8	100	3	1.2	3	100
	MT-407	Linear Integral Equations	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainmen				
3.00	3,00	1.80	1.20	3.00	100				

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

HEAD Department Of Mathematics R.C.Patel Arts,Comm& Sci.Collage Shirpur

R.C.Patel Art's,Commerce and Science,College,Shirpur,Dist,Dhule

÷.

		Course Title	% of Students above average University Marks	Level of Attain ment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainm nt	ne
1	2	3	4	5	6	7	8	9	10	11	
EM-V	MTH-501	Metric Spaces.	100	3	1.8	100	3	1.2	3	100	
	MTH-502	Real Analysis –I	100	3	1.8	100	3	1.2	3	100	
	MTH-503	Algebra	100	3	1.8	100	3	1.2	3	100	
	MTH-504	Lattice Theory	100	3	1.8	100	3	1.2	3	100	
	MTH-505	Integral Transforms	100	3	1.8	100	3	1.2	3	100	
	MTH-506	Number Theory	100	3	1.8	100	3	1.2	3	100	
	MTH-507	Prac. Course based on (MTH-501,502)	100	3	1.8	100	3	1.2	3	100	
	MTH-508	Prac. Course based on (MTH-503,504)	100	3	1.8	100	3	1.2	3	100	
	MTH-509	Prac. Course based on (MTH-505,506)	100	3	1.8	100	3	1.2	3	100	
EM VI	MTH-601	Measure Theory	100	3	1.8	100	3	1.2	3	100	
	MTH-602	Real Analysis – II	100	3	1.8	100	3	1.2	3	100	
	MTH-603	Linear Algebra	100	3	1.8	100	3	1.2	3	100	
	MTH-604	Ordinary and Partial Differential Equations	100	3	1.8	100	3	1.2	3	100	
	MTH-605	Graph Theory	100	3	1.8	100	3	1.2	3	100	
	MTH-606	Operations Research	100	3	1.8	100	3	1.2	3	100	
	MTH-607	Practical Course based on (MTH-601,602)	100	3	1.8	100	3	1.2	3	100	
	MTH-608	Practical Course based on (MTH-603,604)	100	3	1.8	100	3	1.2	3	100	C
	MTH-609	Practical Course based on (MTH-605,606)	100	3	1.8	100	3	1.2	3	100	
					1.80			1.20	3.00	100	
Level1 <4	5% of student	s scoring more than average mark	s	1	-	Program Out	come Attainmen	it l			-
	A MARK REPORT OF A PARTY OF	nts scoring more than average ma		H	Average	Average	60% of Average	40% of Aver	age Aver	age PO	%PO
		s scoring more than average mark			Attainment A	ttainment by	Attainment by Direct Method	Attainment	by Attai	inment	Attainm
Program Outco	me Level	Target Attainment	7	H	3.00	3.00	1.80 00	120	3	.00	10
Level1		0.5>1.0		L		of the	151	1 2:0	1	~	1.1.1
Level2		1.0>1.5			a	hogan	一出	OLLE	ile	Ŷ	Ree
Level3		1.5>2.0			XY	P	PATEL	1º	1	PR	Ree
Level4 Level5		2.0>2.5 2.5>3.0	-		HEAT	-	1021	SHIODUR-	0	.C.Patel	Art's

Calculation for Program Outcome Attainment for the Year 2020-21

84 |

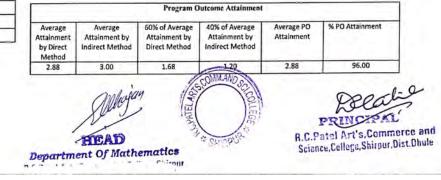
Calculation for Program Outcome Attainment for the Year 2021-22

Attainment of Course Outcome

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10	11
SEM - III	MT-301	Topics in Functional Analysis	61.29	3	1.8	100	3	1.2	3	100
	MT-302	Numerical Analysis	58.06	2	1.2	100	3	1.2	2.4	100
	MT-303	Topics in Field Theory	64.51	3	1.8	100	3	1.2	3	100
	MT-304	Fluid Dynamics	54.83	2	1.2	100	3	1.2	2.4	100
	MT-305	Statistical Techniques	67.74	3	1.8	100	3	1.2	3	100
SEM - IV	MT-401	Linear Integral Equations	80.64	3	1.8	100	3	1.2	3	100
	MT-402	Operations Research	83.87	3	1.8	100	3	1.2	3	100
	MT-403	Commutative Algebra	61.29	3	1.8	100	3	1.2	3	100
	MT-405	Algebraic Topology	64.51	3	1.8	100	3	1.2	3	100
	MT-406	Theory of Special Functions	90.32	3	1.8	100	3	1.2	3	100
			(1.68		2	1.20	2.88	100

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment	
Level1	0.5>1.0	
Level2	1.0>1.5	
Level3	1.5>2.0	
Level4	2.0>2.5	
Level5	2.5>3.0	



85 |

Calculation for Program Outcome Attainment for the Year 2022-23

Attainment of Course Outcome

Semester (Theory/ Practical)	Course Code	Course Title	% of Students above average University Marks	Level of Attainment	60% of Attainment Level in end term exam	% of Students above average Internal Marks	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10	11
SEM - 111	MT-301	Topics in Functional Analysis	55.13	2	1.2	100	3	1.2	2.4	100
	MT-302	Numerical Analysis	48.14	2	1.2	100	3	1.2	2.4	100
	MT-303	Topics in Field Theory	58.33	2	1.2	100	3	1.2	2.4	100
	MT-304	Fluid Dynamics	54.32	2	1.2	100	3	1.2	2.4	100
	MT-305	Statistical Techniques	59.15	2	1.2	100	3	1.2	2.4	100
SEM - IV	MT-401	Linear Integral Equations	57.14	2	1.2	100	3	1.2	2.4	100
	MT-402	Operations Research	53.37	2	1.2	100	3	1.2	2.4	100
	MT-403	Commutative Algebra	50	2	1.2	100	3	1.2	2.4	100
	MT-405	Algebraic Topology	53.57	2	1.2	100	3	1.2	2.4	100
	MT-406	Theory of Special Functions	50	2	1.2	100	3	1.2	2.4	100
				1.00	1.20			1.20	2.40	100

Level1	<45% of students scoring more than average marks			Program C	outcome Atta
Level2	45-60% of students scoring more than average marks	Average	Average	60% of Average	40% of Ave
Level3	>60% of students scoring more than average marks	Attainment by Direct	Attainment by Indirect Method	Attainment by Direct Method	Attainmen Indirect Me
		Method	1.1111.111	Man Concert	1.1.1.1

Program Outcome Level	Target Attainment	
Level1	0.5>1.0	
Level2	1.0>1.5	-
Level3	1.5>2.0	
Level4	2.0>2.5	
Level5	2.5>3.0	

	Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment					
2.40	3.00	1.20	1.20	2.40	80.00					

MAND

ū HEAD Department Of Mathematics B C Patel Arts Comm & Sci College Shirper

NCTPAL RD

B.C.Patel Art's, Commerce and Science, College, Shirper, Dist. Dhule

. .

Semester (Theory /Practical)	Course Code	Course Tide	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainme nt	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	8Sc 501	Mathematical Method for Physics	100	3	1.8	100	3	1.2	3	100
SEM V	BSc 502	Classical Mechanics	100	3	1.8	100	3	1.2	3	100
	BSc 503	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
	BSc 504 A	Electronics	85.71	3	1.8	100	3	1.2	3	100
	BSc 504 B	Instrumentation II	100	3	1.8	100	3	1.2	3	100
	BSc 505	Solid State Physics	100	3	1.8	100	3	1.2	3	100
	BSc 506	Microprocessor - I	100	3	1.8	100	3	1.2	3	100
	BSc 507	Physics Practical I	100	3	1.8	100	3	1.2	3	100
	BSc 508	Physics Practical II	100	3	1.8	100	3	1.2	3	100
	BSc 509	Physics Practical III	100	3	1.8	100	3	1.2	3	100
	BSc 601	Classical Electrodynamics	100	3	1.8	100	3	1.2	3	100
	BSc 602	Quantum Mechanics	100	3	1.8	100	3	1.2	3	100
	BSc 603	Nuclear Physics	100	3	1.8	100	3	1.2	3	100
	BSc 604	Statistical Mechanics	100	3	1.8	100	3	/ 1.2	3	100
SEM VI	BSc 605	Element of Material Science	100	3	1.8	100	3 (1.2	3	100
	BSc 606	Microprocessor - II	100	3	1.8	100	3	1,2	3	100
	BSc 607	Physics Practical I	100	3	1.8	100	3	1.2	3	100
	BSc 608	Physics Practical II	100	3	1.8	100	3	1.2	3	100
1	BSc 609	Physics Practical III	100	3	1.8	100	3	1.2	3	100
1				1	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.Sc. Physics)

Level1	<45% of students scoring more than average
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment					
3.00	3.00	1.80	1.20	3.00	100					

Head Bepartment Of Physics R.C.Patel Arts, Comm.& Sel College Skirper, Biot. Ditelo 425 465

OMM SHIDDUR

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end	% of Students Passed in	Level of Attainment	40% of Attainment Level in end	Attainmen t of Course	% CO Attainment
1	2	3	- 4	5	6	7	8	9	10=6+9	11
1.11.1	v	Mathematical Method for Physics	100	3	1.8	10	3	1.2	3	100
	BSc 502	Classical Mechanics	100	3	1.8	10	3	1.2	3	100
	BSc 503	Atomic & Molecular Physics	100	3	1.8	10	3	1.2	3	100
	BSc 504 A	Electronics	100	3	1.8	10	3	1.2	3	100
SEM V	BSc 504 B	Instrumentation II	100	3	1.8	10	3	1.2	3	100
	BSc 505	Solid State Physics	100	3	1.8	10	3	1.2	3	100
	BSc 506	Microprocessor - I	100	3	1.8	10	3	1.2	3	100
	BSc 507	Physics Practical I	100	3	1.8	10	3	1.2	3	100
	BSc 508	Physics Practical II	100	3	1.8	10	3	1.2	3	100
	BSc 509	Physics Practical III	100	3	1.8	10	3	1.2	3	100
	BSc 601	Classical Electrodynamics	100	3	1.8	10	3	1.2	3	100
	BSc 602	Quantum Mechanics	100	3	1.8	10	3	1.2	3	100
	BSc 603	Nuclear Physics	100	3	1.8	10	3	1.2	3	100
	BSc 604	Statistical Mechanics	100	3	1.8	10	3	1.2	3	100
SEM VI	BSc 605	Element of Material Science	100	3	1.8	10	3	1.2	3	100
	BSc 606	Microprocessor - II	100	3	1.8	10	3	1.2	3	100
	BSc 607	Physics Practical I	100	3	1.8	10	3	1.2	3	100
	BSc 608	Physics Practical II	100	3	1.8	10	3	1.2	3	100
	BSc 609	Physics Practical III	100	3	1.8	10	3	1.2	3	100
	1				1.80	1000	1	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (B.Sc. Physics)

Levell	Level1 <45% of students scoring more than average ma							
Level2	ALL DALLEY TRADE TO ALL TRADE							
Level3 >60% of students scoring more than average m								
Program C	utcome Level	Target Attainment]					
	Level1	0.5>1.0						
	Level2	1.0>1.5						
	Level3	1.5>2.0						
	Level4	2.0>2.5						
	Level5	25>30						

	Pro	gram Outcome Att	ainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100



Hoad

R. C. Patel Arts, Commerce and

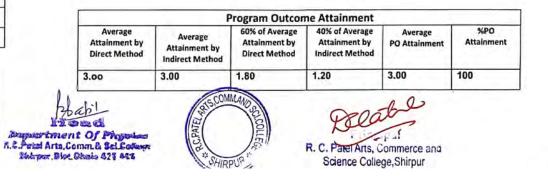
88 |

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed In Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	h
	BSc 501	Mathematical Method for Physics	100	3	1.8	100	3	1.2	3	100
	BSc 502	Classical Mechanics	100	3	1.8	100	3	1.2	3	100
	BSc 503	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
	BSc 504 A	Electronics	100	3	1.8	100	3	1.2	3	100
SEM V	BSc 504 B	Instrumentation II	100	3	1.8	100	3	1.2	3	100
UCH Y	BSc 505	Solid State Physics	100	3	1.8	100	3	1.2	3	100
11.2	BSc 506	Microprocessor - 1	100	3	1.8	100	3	1.2	3	100
	BSc 507	Physics Practical I	100	3	1.8	100	3	1.2	3	100
1.0	BSc 508	Physics Practical II	100	3	1.8	100	3	1.2	3	100
	BSc 509	Physics Practical III	100	3	1.8	100	3	1.2	3	100
0	BSc 601	Classical Electrodynamics	100	3	1.8	100	3	1.2	3	100
1 1 1	BSc 602	Quantum Mechanics	100	3	1.8	100	3	1.2	3	100
	BSc 603	Nuclear Physics	100	3	1.8	100	3	1.2	3	100
	BSc 604	Statistical Mechanics	100	3	1.8	100	3	1.2	3	100
SEM VI	BSc 605	Element of Material Science	100	3	1.8	100	3	1.2	3	100
	BSc 606	Microprocessor - II	100	3	1.8	100	3	1.2	3	100
	BSc 607	Physics Practical I	100	3	1.8	100	3	1.2	3	100
	BSc 608	Physics Practical II	100	3	1.8	100	3	1.2	3	100
	BSc 609	Physics Practical III	100	3	1.8	100	3	<1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (B.Sc. Physics) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



89 |

Semester (Theory Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	rse Outcome 60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	Ú.
	BSc 501	Mathematical Method for Physics	10	3	1.	100	3	1.2	3	100
1.19	BSc 502	Solid State Physics	10	3	1.	100	3	1.2	3	100
	BSc 503	Atomic & Molecular Physics	10	3	1.	100	3	1.2	3	100
1.013	BSc 504 A	Electronics	10	3	1.	100	3	1.2	3	100
SEM	BSc 504 B	Instrumentation II	10	3	1.	100	3	1.2	3	100
v	BSc 505	Solar Energy & its applications	95.8	3	1.	100	3	1.2	3	100
	BSc 506	Microprocessor - I	10	3	1.	100	3	1.2	3	100
	BSc 507	Physics Practical I	10	3	1.	100	3	1.2	3	100
	BSc 508	Physics Practical II	10	3	1.	100	3	1.2	3	100
	BSc 509	Physics Practical III	10	3	1.	100	3	1.2	3	100
	BSc 601	Quantum Mechanics	10	3	1.	100	3	1.2	3	100
111	BSc 602	Material Science	95.8	3	1.	100	3	1.2	3	100
	BSc 603	Nuclear Physics	10	3	1.	100	3	1.2	3	100
	BSc 604	Modern Physics	10	3	1.	100	3	1.2	3	100
SEM	BSc 605	Basic Instrumentation Skills	10	3	1.	100	3	1.2	3	100
VI	BSc 606	Microprocessor - II	10	3	1.	100	3	1.2	3	100
	BSc 607	Physics Practical I	10	3	1.	100	3	1.2	3	100
	BSc 608	Physics Practical II	10	3	1.	100	3	1.2	3	100
	BSc 609	Physics Practical III	10	3	1.	100	3	1.2	3	100
1 - 1				(1.8			1.20	3.00	100

Calculation for Program Outcome Attainme	nt for the Academic Year 2021-22 (B.Sc. Physics)
--	--

Level1	<45% of studer marks	nts scoring more than average					
Level2	45-60% of students scoring more than average marks						
Level3 >60% of students scoring more than average marks							
Program (Outcome Level	Target Attainment					
L	evell	0.5>1.0					
L	evel2	1.0>1.5					
Level3 Level4		1.5>2.0					
		2.0>2.5					
L	evel5	2.5>3.0					

	Pr	ogram Outcome Attai	nment		
Average Attainment by Direct	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3. O	3.00	1.80	1.20	3.00	100

COMMAN

SHIED!

Bepertment Of Physe R.C.Paul Arts, Comm.& Sel.Co Shirper, Blet. Shela 623 442

OLLE Principal R. C. Patte As, Commerce and College, Shirpur

90 |

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end	% of Students Passed in	Level of Attainment	40% of Attainment Level in end	Attainment of Course Outcome	% CO Attainmen
1.	2	3	4	5	6	7	8	9	10=6+9	11
	BSc 501	Mathematical Method for Physics	100	3	1.8	100	3	1.2	3	100
	BSc 502	Solid State Physics	100	3	1.8	100	3	1.2	3	100
	BSc 503	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
	BSc 504 A	Electronics	50	2	1.2	100	3	1.2	2.4	100
SEMV	BSc 504 B	Instrumentation II	100	3	1.8	100	3	1.2	3	100
SEN 1	BSc 505	Solar Energy & its applications	75	3	1.8	100	3	1.2	3	100
	BSc 506	Microprocessor - 1	100	3	1.8	100	3	1.2	3	100
1	BSc 507	Physics Practical I	100	3	1.8	100	3	1.2	3	100
1	BSc 508	Physics Practical II	100	3	1.8	100	3	1.2	3	100
	BSc 509	Physics Practical III	100	3	1.8	100	3	1.2	3	100
	BSc 601	Quantum Mechanics	100	3	1.8	100	3	1.2	3	100
	BSc 602	Material Science	87.5	3	1.8	100	3	1.2	3	100
1	BSc 603	Nuclear Physics	75	3	1.8	100	3	1.2	3	100
	BSc 604	Modern Physics	100	3	1.8	100	3	1.2	3	100
SEM VI	BSc 605	Basic Instrumentation Skills	100	3	1.8	100	3	1.2	3	100
	BSc 606	Microprocessor - II	100	3	1.8	100	3	1.2	3	100
	BSc 607	Physics Practical 1	100	3	1.8	100	3	1.2	3	100
	BSc 608	Physics Practical II	100	3	1.8	100	3	1.2	3	100
	BSc 609	Physics Practical III	100	3	1.8	100	3	1.2	3	100
					1.77			1.20	2.97	100

SHIRP

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.Sc. Physics)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Pro	gram Outcome Attainment			
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
2.97	3.00	1.77	1.20	2.97	100



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

		1	Attainmen	t of Course	60% of	% of Students	Contraction of the	40% of Attainment	Attainment	% CO
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	Attainment Level in end term exam	Passed in Internal Exam	Level of Attainment	Level in end term exam	of Course Outcome	Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	Ш
SEM III	MSc 301	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
	MSc 302	Material Synthesis Methods	100	3	1.8	100	3	1.2	3	100
	MSc 303	Systematic Material Analysis	100	3	1.8	100	3	1.2	3	100
	MSc 304	Special Laboratory I	100	3	1.8	100	3	1.2	3	100
	MSc 305	Project Work I	100	3	1.8	100	3	1.2	3	100
	MSc 401	Nuclear Physics	100	3	1.8	100	3	1.2	3	100
Practical)	MSc 402	Nanomaterial	96.77	3	1.8	100	3	1.2	3	100
	MSc 403	Renewable Energy Sources	100	3	1.8	100	3	1.2.43	3	100
	MSc 404	Special Laboratory	100	3	1.8	100	3	1.2	3	100
1.1	MSc 405	Project Work	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (M.Sc. Physics)

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Out	come Attainment	1	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Level 1	<45% of students scoring more than average marks
Level 2	45-60% of students scoring more than average marks
Level 3	>60% of students scoring more than average marks

Head Department Of Physics R.C.Petel Arts, Comar,& Sel College Bishpur, Biot, Dhala 523 535



Principal

R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Pa in External Exar				Level of	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	MSc 301	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
CEL	MSc 302	Material Synthesis Methods	100	3	1.8	100	3	1.2	3	100
SEM III	MSc 303	Systematic Material Analysis	100	3	1.8	100	3	1.2	3	100
m	MSc 304	Special Laboratory I	100	3	1.8	100	3	1.2	3	100
	MSc 305	Project Work I	100	3	1.8	100	3	1.2	3	100
SEM	MSc 401	Nuclear Physics	100	3	1.8	100	3	1.2	3	100
	MSc 402	nanomaterial's	100	3	1.8	100	3	1.2	3	100
	MSc 403	Renewable Energy Sources	100	3	1.8	100	3	1.2	3	100
IV	MSc 404	Special Laboratory	100	3	1.8	100	3	1.2	3	100
	MSc 405	Project Work	100	3	1.8	100	3	1.2	3	100
			a to be done	-17-2	1.80			1.20	3	100
Program	Outcome Level	Target Attainment				Program Out	come Attainm	ent		
	Level1	0.5>1.0		Average Attainment	Average Attainment	60% of Average	40% of Averag			tainment
1.12.13	Level2	1.0>1.5		by Direct	by Indirect	Attainment by Direct Method	Attainment b Indirect Metho			
1	Level3	1.5>2.0		Method	Method			2		
	Level4	2.0>2.5		3.00	3.00	1.80	1.20	3.00	100	
	Level5	2.5>3.0		11			1		-	

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (M.Sc. Physics) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Hoad Department Of Physician R.C.Petel Arts, Comm.& Sci.Softuge Bhirper, Diot.Dhale 528 609

OMMA

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

93 |

				Attainmen	nt of Course Out	Course Outcome									
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment					
1	2	3	4	5	6	7	8	9	10=6+9	11					
	MSc	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100					
SEM III	MSc	Material Synthesis Methods	100	3	1.8	100	3	1.2	3	100					
	MSc	Systematic Material Analysis	100	3	1.8	100	3	1.2	3	100					
	MSc	Special Laboratory I	100	3	1.8	100	3	1.2	3	100					
	MSc	Project Work I	100	3	1.8	100	3	1.2	3	100					
	MSc	Nuclear Physics	100	3	1.8	100	3	1.2	3	100					
	MSc	nanomaterial's	100	3	1.8	100	3	1.2	3	100					
SEM IV	MSc	Renewable Energy Sources	100	3	1.8	100	3	1.2	3	100					
	MSc	Special Laboratory II	100	3	1.8	100	3	1.2	3	100					
	MSc	Project Work II	100	3	1.8	100	3	1.2	3	100					
					1.8		_	1.20	3	100					

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (M.Sc. Physics)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2,5>3.0

		Program Out	tcome Attainment		V
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Itoud Disportment Of Physics R.C.Patel Arts. Comm. & Sci Colone Shipper, 201. Bhalo 423 443



R. C. Patel Arts, Commerce and Science College, Shirpur

Semester			Attainin	chi oi cours	se Outcome			1		
(Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	MSc 301	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
SEM	MSc 302	Material Synthesis Methods	100	3	1.8	100	3	1.2	3	100
	MSc 303	Systematic Material Analysis	100	3	1.8	100	3	1.2	3	100
	MSc 304	Special Laboratory I	100	3	1.8	100	3	1.2	3	100
	MSc 305	Project Work I	100	3	1.8	100	3	1.2	3	100
	MSc 401	Nuclear Physics	100	3	1.8	100	3	1.2	3	100
1.001	MSc 402	nanomaterial's	100	3	1.8	100	3	1.2	3	100
SEM	MSc 403	Renewable Energy Sources	100	3	1.8	100	3	1.2	3	100
IV	MSc 404	Special Laboratory II	100	3	1.8	100	3	1.2	3	100
	MSc 405	Project Work II	100	3	1.8	100	3	1.2	3	100
					1.80		4	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (M.Sc. Physics)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	P	rogram Outcome A	Attainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainmen t	%PO Attainment
3.00	3	1.80	1.2	3.00	100

Department Of Projectos R.C.Patel Arts, Comm& Sci.College Biskper, Dist. Basis 425 455



-0

R. C. Patel Arts, Commerce and Science College, Shirpur

.

			Attainn	ent of Cou	rse Outcome					
Semester (Theory/ Practical)	Course Code	Course Tide	% of Students Passed In External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	% CO Attainment
- 1	2	3	4	5	6	7	8	9	10=6+9	11
	MSc	Atomic & Molecular Physics	100	3	1.8	100	3	1.2	3	100
SEM	MSc	Material Synthesis Methods	100	3	1.8	100	3	1.2	3	100
III	MSc	Systematic Material Analysis	100	3	1.8	100	3	1.2	3	100
	MSc	Special Laboratory I	100	3	1.8	100	3	1.2	3	100
	MSc	Project Work I	100	3	1.8	100	3	1.2	3	100
-	MSc	Nuclear Physics	78.57	3	1.8	100	3	1.2	3	100
100	MSc	nanomaterial's	82.14	3	1.8	100	3	1.2	3	100
SEM IV	MSc	Renewable Energy Sources	78.57	3	1.8	100	3	1.2	3	100
	MSc	Special Laboratory II	96.42	3	1.8	100	3	1.2	3	100
	MSc	Project Work II	96.42	3	1.8	100	3	1.2	3	100
				100.2	1.80			1.20	3	100

Calculation for Program Outcome Attainment	or the Academic Year 2022-2:	(M.Sc. Physics)
---	------------------------------	-----------------

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment										
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment					
3.00	3.00	1.80	1.20	3.00	100					

Head Department Of Physics R.C.Patel Arts, Comm. & Sel. College Shirper, Biet, Stale 425 405



Delate R. C. Patel Arts, Commerce and Science College, Shirpur

 \mathbf{Q}

•

			Attainment of	Course Outcon	the second s					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	MB-351	Microbial Genetics	100	3	1.8	100	3	1.2	3	100
	MB-352	Fermentation Technology	87.5	3	1.8	100	3	1.2	3	100
	MB-353	Microbial Metabolism	75	3	1.8	100	3	1.2	3	100
	MB-354	Medical Microbiology	100	3	1.8	100	3	1.2	3	100
_	MB-355	Immunology	100	3	1.8	100	3	1.2	3	100
	MB-356	Applied Microbiology	90	3	1.8	100	3	1.2	3	100
	MB-357	Techniques in Diagnostic Microbiology-I	100	3	1.8	100	3	1.2	3	100
	MB-358	Techniques in Industrial Microbiology-I	100	3	1.8	100	3	1.2	3	100
	MB-359	Techniques in Applied Microbiology-I	100	3	1.8	100	3	1.2	3	100
SEM VI	MB-361	Molecular Biology	98,59	3	1.8	100	3	1.2	3	100
I.	MB-362	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-363	Enzymology	94.36	3	1.8	100	3	1.2	3	100
	MB-364	Clinical Microbiology	90.14	3	1.8	100	3	1.2	3	100
	MB-365	Diagnostic Immunology	100	3	1.8	100	3	1.2	3	100
	MB-366	Environmental Microbiology	98,59	3	1.8	100	3	1.2	3	100
	MB-367	Methods in Diagnostic Microbiology-II	100	3	1.8	100	3	1.2	3	100
	MB-368	Methods in Industrial Microbiology-II	100	3	1.8	100	3	1.2	3	100
		Methods in Applied Microbiology-II	100	3	1.8	100	3	1.2	3	100
				- P.	1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (TYMB)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment 60% of Average Attainment by Direct Method 40% of Average Attainment by Average Average Average % PO Attainment Attainment by PO Attainment by Direct Indirect Method Indirect Attainment Method Method 3.00 1.80 3.00 1.20 3.00 100

Head, Department of Microbiology R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.

Delate R. C. Palel Arts, Commerce and Science College, Shirpur

97 |

	1		Attainment of Co	urse Gutcome	60% of	% of	125.00	40% of	1	%CO
emester Theory/ ractical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	Attainment Level in end term exam	Students Passed in Internal Exam	Level of Attainm ent	Attainment Level in end term exam	Attainment of Course Outcome	Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	MB-351	Microbial Genetics	100	3	6	100	3	1.2	3	100
	MB-352	Fermentation Technology	100	3	1.8	100	3	1.2	3	100
	MB-353	Microbial Metabolism	100	3	1.8	100	3	1.2	3	100
	MB-354	Medical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-355	Immunology	100	3	1.8	100	3	1.2	3	100
	MB-356	Applied Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-357	Techniques in Diagnostic Microbiology- I	100	3	1.8	100	3	1.2	3	100
	MB-358	Techniques in Industrial Microbiology-I	100	3	1.8	100	3	1.2	3	100
	MB-359	Techniques in Applied Microbiology-I	100	3	1.8	100	3	1.2	3	100
SEM VI	MB-361	Molecular Biology	99	3	1.8	100	3	1.2	3	100
1.0	MB-362	Pharmaceutical Microbiology	99	3	1.8	100	3	1.2	3	100
	MB-363	Enzymology	99	3	1.8	100	3	1.2	3	100
	MB-364	Clinical Microbiology	99	3	1.8	100	3	1.2	3	100
	MB-365	Diagnostic Immunology	99	3	1.8	100	3	1.2	3	100
	MB-366	Environmental Microbiology	99	3	1.8	100	3	1.2	3	100
	MB-367	Methods in Diagnostic Microbiology-II	99	3	1.8	100	3	1.2	3	100
	MB-368	Methods in Industrial Microbiology-II	99	3	1.8	100	3	1.2	3	100
	MB-369	Methods in Applied Microbiology-II	99	3	1.8	100	3	1.2	3	100
_					1.80	· · · · · ·	1 1	1.20	3.00	100
Landt	<150/ of studen	ts scoring more than average marks				Outcome Attain				
Level1 Level2		ents scoring more than average marks	Average Attainment b			50% of Average Attainment by	1.	Average ment by	Average PO Attainment	% PO Attainment
Level3		its scoring more than average marks	Direct Metho			Direct Method		Method		
Program	Outcome Level	Target Attainment	3.00	3,	00	J1.80.000	1.	20	3.00	100
I	evell	0.5>1.0		0	0	4	100			1.0
I	Level2	1.0>1.5	lu	el l	0,		150		C. Patel Arts Science Co	an
L	evel3	1.5>2.0	-1	lead,	Q4	And a	10		Prin	cipal
	evel4	2.0>2.5	Department	Department of Microblology R.C.Patel Art,s & Sci.College			crobiol	R	C. Patel Arts	Commerce
L	.evel5	2.5>3.0	R.C.Patel A	rt,s & Sci.Co. ,Dist-Dhule.	llege N	ist and	150		Science Co	lege, Shirpu

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (TYMB)

Semester (Theory/Practi		Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	%Co Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	MB-501	Microbial Genetics	100	3	1.8	100	3	1.2	3	100
	MB-502	Bioprocess Technology	98	3	1.8	100	3	1.2	3	100
	MB-503	Metabolism	98	3	1.8	100	3	1.2	3	100
	MB-504	Medical Microbiology-I	100	3	1.8	100	3	1.2	3	100
	MB-505	Basic Immunology	100	3	1.8	100	3	1.2	3	100
	MB-506	Food Microbiology	100	3	1.8	100	3	1.2	2.4	100
	MB-507	Methods in Medical Microbiology-I	100	3	1.8	100	3	1.2	2.4	100
	MB-508	Methods in Industrial Microbiology-I	100	3	1.8	100	3	1.2	1.8	100
	MB-509	Methods in Applied Microbiology-I	100	3	1.8	100	3	1.2	3	100
SEM VI	MB-601	Molecular Biology	100	3	1.8	100	3	1.2	3	100
	MB-602	Fermentations	100	3	1.8	100	3	1.2	3	100
	MB-603	Enzymology	100	3	1.8	100	3	1.2	3	100
	MB-604	Medical Microbiology-II	99	3	1.8	100	3	1.2	3	100
1	MB-605	Advanced Immunology	100	3	1.8	100	3	1.2	3	100
	MB-606	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-607	Methods in Medical Microbiology-II	100	3	1.8	100	3	1.2	3	100
	MB-608	Methods in Industrial Microbiology-II	100	3	1.8	100	3	1.2	3	100
	MB-609	Methods in Applied Microbiology-II	100	3	1.8	100	3	1.2	3	100
					1.80		1	1.20	3,00	100
Levell	<45% of student	s scoring more than average marks				Program O	utcome Atta	inment		
Level2	45-60% of stude	nts scoring more than average marks	Average	Average	Attainment	60% of	Average	40% of Av	erage Ave	rage PO

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (TYMB)

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

>60% of students scoring more than average marks

Level3

Average Attainment by Direct Method	Average Attainment by Indirect Method	Program Outcome Attai 60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

1011

Department of Microbiology R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.

R. C. Patel Arts, Commerce and Science College,Shirpur

				Attainment	of Course Out	come		1		% CO
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	MB-501	Microbial Genetics	100	3	1.8	98.94	3	1.2	3	100
	MB-502	Bioprocess Technology	90.72	3	1.8	98.94	3	1.2	3	100
	MB-503	Metabolism	98	3	1.8	98.94	3	1.2	3	100
	MB-504	Medical Microbiology-I	100	3	1.8	98.94	3	1.2	3	100
-	MB-505	Basic Immunology	100	3	1.8	98.94	3	1.2	3	100
	MB-506	Food Microbiology	90.72	3	1.8	98.94	3	1.2	3	100
	MB-507	Methods in Medical Microbiology-I	100	3	1.8	98.94	3	1.2	3	100
	Contraction of the second	Methods in Industrial Microbiology-I	100	3	1.8	98.94	3	1.2	3	100
	MB-508	Methods in Applied Microbiology-I	100	3	1.8	98.94	3	1.2	3	100
1.0.00	MB-509		90.72	3	1.8	98.94	3	1.2	3	100
SEM VI	MB-601	Molecular Biology	90.72	3	1.8	98.94	3	1.2	3	100
-	MB-602	Fermentations	90.72	3	1.8	98.94	3	1.2	3	100
	MB-603	Enzymology	90.72	3	1.8	98.94	3	1.2	3	100
	MB-604	Medical Microbiology-II			1.8	98.94	3	1.2	3	100
	MB-605	Advanced Immunology	90.72	3		98.94	3	1.2	3	100
	MB-606	Agricultural Microbiology	90.72	3	1.8		3	1.2	3	100
	MB-607	Methods in Medical Microbiology-II	90.72	3	1.8	98.94		-	3	100
	MB-608	Methods in Industrial Microbiology-II	90.72	3	1.8	98.94 98.94	3	1.2	3	100
	MB-609	Methods in Applied Microbiology-II	90.72	3	1.80	56.54		1.2	3.00	100
	1					Program Outcon	ne Attainmen	1		
Level1	<45% of st	udents scoring more than average marks		Average	Average	60% of		40% of	Average PO	%PO
Level2 Level3	100 00000	-60% of students scoring more than average marks 0% of students scoring more than average marks		Attainment by Direct Method	Attainment by Indirect Metho	y Attainmen	by Direct	Average Attainment by Indirect	Attainment	Attainme
	1			method				Method	1.00	100
	Outcome Lev			3.00	3:00	ur a. 1.	30	1,2	3.00	
	Level1	0.5>1.0	GIN	the.	0.5%	1 Jan			Rela	1-0
	Level2 Level3	1.0>1.5	Color	-	631	131			LECA	

Head, Department of Microbiology P.C. Patel 4rt,s 3 Sci.College Shiroci, Dist-Dhule.

R. C. Patel Arts, Commerce and Science College, Shirpur

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (TYMB)

Level3

Level4

Level5

2.0>2.5

2.5>3.0

emester Theory/ Tactical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainmen	60% of Attainment	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment		
1	2	3	4	5	6	7	8	9	10=6+9	11		
			89	3	1.8	100	3	1.2	3	100		
SEM V	MB-501	Microbial Genetics	78	3	1.8	100	3	1.2	3	100		
	MB-502	Bioprocess Technology	60	3	1.8	100	3	1.2	3	100		
	MB-503	Metabolism			_	100	3	1.2	3	100		
	MB-504	Medical Microbiology-I	82	3	1.8			1.2	3	100		
	MB-505	Basic Immunology	100	3	1.8	100	3			100		
	MB-506	Food Microbiology	94	3	1.8	100	3	1.2	3			
	MB-507	Methods in Medical Microbiology	-1 98	3	1.8	100	3	1.2	3	100		
	MB-508	Methods in Industrial Microbiolog	gy-I 98	3	1.8	100	3	1.2	3	100		
-	MB-509	Methods in Applied Microbiology		3	1.8	100	3	1.2	3	100		
			60	3	1.8	100	3	1.2	3	100		
SEM VI	MB-601	Molecular Biology	89	3	1.8	100	3	1.2	3	100		
	MB-602	Fermentations		3	1.8	100	3	1.2	3	100		
	MB-603	Enzymology	78			100	3	1.2	3	100		
-	MB-604	Medical Microbiology-II	82	3	1.8			1.2	3	100		
	MB-605	Advanced Immunology	94	3	1.8	100	3		-	100		
	MB-606	Agricultural Microbiology	94	3	1.8	100	3	1.2	3			
	MB-607	Methods in Medical Microbiology	-11 98	3	1.8	100	3	1.2	3	100		
	MB-608	Methods in Industrial Microbiolo	gy-II 98	3	1.8	100	3	1.2	3	100		
-		Methods in Applied Microbiology		3	1.8	100	3	1.2	3	100		
	MB-609	Methods in Applied Microbiology			1.80		11.67	1.2	3.00	100		
				-		Program Outc	ome Attainmer	nt				
Level1	<45% of stud	lents scoring more than average mar	ks	ane Aver	age Attainment by	60% of Average Att		40% of Average	Average PO	%PO		
Level2	45-60% of st					Direct Met	od	Attainment by Indirect Method	Attainment	Attainmen		
Level3	>60% of stud	dents scoring more than average mar	ks			200		-		100		
Des	Outcome l	Level Target Attainmen	3.0	00	3 Chir	ur 100 1.80		1.2	3.00			
Progra	am Outcome Level1	0.5>1.0		^	Sal	12/ 1			Rec	the		
	Level2	1.0>1.5		ul s	2.11	191			Kolo	1		
	Level3	1.5>2.0			(ja)	120			mol	al		
	Level4	2.0>2.5	13	mead, Oil -1 les					R. C. Potel Arts, Commerce and			
	Level5	2.5>3.0	Department o R.C.Patel Art,s	aloroniolo i	I YAL	le le			Science Collen	a Shirbur		

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (TYMB)

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course Outcome	% CO Attainment							
1	2	3	4	5	6	7	8	9	10=6+9	11							
SEM III	MB-301	Applied and Environmental Microbiology	90.47	3	1.8	100	3	1.2	3	100							
	MB-302	Molecular Biology and Bioinformatics	80.95	3	1.8	100	3	1.2	3	100							
	MB-303	Pharmaceutical Microbiology	90.47	3	1.8	100	3	1.2	3	100							
	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100							
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100							
SEM IV	MB-401	Fermentation Technology	90.47	3	1.8	100	3	1.2	3	100							
	MB-402	Applied Molecular Biology	80.95	3	1.8	100	3	1.2	3	100							
	MB-403	Agricultural Microbiology	90.47	90.47	90.47	90.47	90.47	90.47	90.47	90.47	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100							
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100							
1.0			· · · · · · · · · · · · · · · · · · ·	1.000	1.80			1.20	3.00	100							

Calculation for Program Outcome Attainment for the Academic	c Year	2018-19	(MSc_MB)
---	--------	---------	----------

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen				
3.00	3.00	1.80	1.20	3.00	100				

Guntin

Haad, Department of Microbiology R.C.Patel Art,s & Sci.College Shirpur, Dist-Dhule.



Beal

Principal R. C. Patel Arts, Commerce and Science Collage, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III MB-301	MB-301	Applied and Environmental Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-302	Molecular Biology and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100
4	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	100	3	1.8	100	3	1.2	3	100
	MB-402	Applied Molecular Biology	100	3	1.8	100	3	1.2	3	100
£	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
		-		1.1.1.1	1.80	A CARLENT		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (MSc_MB)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment							
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment		
3.00	3.00	1.80	1.20	3.00	100		

R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.



R. C. Patel Arts, Commerce and Science College, Shirpur

103 |

.

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course OutcomeS	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	SEM III MB-301 Microbiology	Applied and Environmental Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-302	Molecular Biology and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Biostatistics and 304 Bioinformatics 100	100	3	1.8	100	3	1.2	3	100
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	100	3	1.8	100	3	1.2	3	100
	MB-402	Applied Molecular Biology	100	3	1.8	100	3	1.2	3	100
	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (M	Sc_MB)
Attainment of Course Outcome	

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

	Program Outcome Attainment							
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

GINIZ Head,

Department of Microbiology R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.



R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course Outcome	% CO Attainmen
- 1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	MB-301	Applied and Environmental Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-302	Molecular Biology and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100
1. Company 1.	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	100	3	1.8	100	3	1.2	3	100
1.1	MB-402	Applied Molecular Biology	100	3	1.8	100	3	1.2	3	100
	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
10.00	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
			1		1.80	1.1.1.1.1.1	1.1.1	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (MSc_MB))
http://www.content.com/communication/	

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment	
Level1	0.5>1.0	
Level2	1.0>1.5	
Level3	1.5>2.0	
Level4	2.0>2.5	
Level5	2.5>3.0	

Program Outcome Attainment							
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen		
3.00	3.00	1.80	1.20	3.00	100		

6714121

Head, Department of Microbiology R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

•

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level In end term exam	Attainment of Course Outcome	% CO Attainment
-1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	MB-301	Pharmaceutical Microbiology	93	3	1.8	100	3	1.2	3	100
	MB-302	Applied Molecular Biology	93	3	1.8	100	3	1.2	3	100
	MB-303	Applied and Environmental Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	93	3	1.8	100	3	1.2	3	100
	MB-402	Microbial Genetics	93	3	1.8	100	3	1.2	3	100
	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
- 1	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
100					1.80	1	1.1	1.20	3.00	100

0....

Calculation for Program Outcome Attainment for the A	cademic Year 2022-23 (MSc MB)
--	-------------------------------

1 000

A

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Department of Microhlology R.C.Patel Art.s. & Sci.Corkege Shunur,Disi-Dhule.



- 0, Sec

R. C. Patel Arts, Commerce and Science College, Shirpur

S .

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	of Course Outcom Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1 -	2	3	4	5	6	7	8	9	10=6+9	- 11
SEM V	BT-351	Genetics	93.33	3	1.8	100	3	1.2	3	100
	BT-352	Agricultural Biotechnology	100	3	1.8	100	3	1.2	3	100
1.000	BT-353	Animal Biotechnology	100	3	1.8	100	3	1.2	3	100
100	BT-354	Industrial Biotechnology	100	3	1.8	100	3	1.2	- 3	100
	BT-355	Food Biotechnology	100	3	1.8	100	3	1.2	3	100
1.1	BT-356	Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-357	Practical Course- Industrial Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-358	Practical Course- Animal Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-359	Practical Course-Food and Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
SEM VI	BT-361	Gene Biotechnology and Bioinformatic	93.33	3	1.8	100	3	1.2	3	100
1.1.20	BT-362	Plant Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-363	Immunology	93.33	3	1.8	100	3	1.2	3	100
	BT-364	Advanced Bioprocess technology	73.33	3	1.8	100	3	1.2	3	100
	BT-365	Pharmaceutical Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-366	Biodiversity and Biometry	100	3	1.8	100	3	1.2	3	100
		Practical Course- Plant biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-367		100	3	1.8	100	3	1.2	3	100
	BT-368 BT-369	Practical Course- Genetics and biotechnology Practical Course- Pharmaceutical biotechnology	100	3	1.8	100	3	1.2	3	100
1	B1-505	biblictimetrogy			1.80			1.20	3.00	100
			1			Program (Outcome Attain	nment		
Levell		idents scoring more than average marks		Average Attainment by	Average Attainment by		Direct	% of Average Attainment by direct Method	Average PO Attainment	%PO Attainme
Level2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	students scoring more than average marks		Direct Method	Indirect Metho	u				
Level3	>60% of stu		1		3.90	C. Coll. 1.80		1.20	3.00	100
Prog	ram Outcome		~	3.00	3.00	53			10-	
	Levell	0.5>1.0	00	1	15/	DE		280	ation	
	Level2	1,0>1.5	Xun		3	XIA		Prim	ato	
	Level3	1.5>2.0	Department R C.Patel Ar	eau,	av Pi	X Ist	R	C. Patel Aris,	Commerce an	
	Level4	2,0>2.5	Department	of Biotechnoic	1.84	0 18		Science Coll	ege,Shirpui	

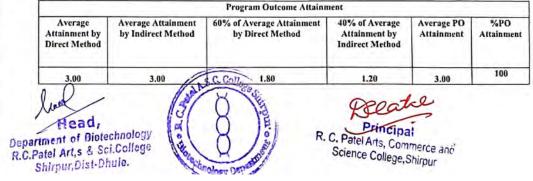
Calculation for Program Outcome Attainment for the Academic Year 2018-19 (TYBT)

.

Semester Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	- 11
SEM V	BT-351	Genetics	100	3	1.8	100	3	1.2	3	100
	BT-352	Agricultural Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-353	Animal Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-354	Industrial Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-355	Food Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-356	Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
1.1	BT-357	Practical Course- Industrial Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-358	Practical Course- Animal Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-359	Practical Course- Food and Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
SEM VI	BT-361	Gene Biotechnology and Bioinformatic	100	3	1.8	100	3	1.2	3	100
	BT-362	Plant Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-363	Immunology	100	3	1.8	100	3	1.2	3	100
	BT-364	Advanced Bioprocess technology	100	3	1.8	100	3	1.2	3	100
	BT-365	Pharmaceutical Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-366	Biodiversity and Biometry	100	3	1.8	100	3	1.2	3	100
	BT-367	Practical Course- Plant biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-368	Practical Course- Genetics and biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-369	Practical Course- Pharmaceutical biotechnology	100	3	1.8	100	3	1.2	3	100
			S		1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (TYBT)

Level1	<45% of students scoring mo	re than average marks					
Level2	45-60% of students scoring n	nore than average marks					
Level3	Level3 >60% of students scoring more than average marks						
Р	rogram Outcome Level	Target Attainmen					
	Levell	0.5>1.0					
	Level2	1.0>1.5					
	Level3	1.5>2.0					
	Level4	2.0>2.5					
	Level5	2.5>3.0					



Semester	-	1	Attainment of % of Students	of Course Outco	60% of	% of Students	635.C.)	40% of	Attainment	% CO
(Theory/ Practical)	Course Code	Course Title	Passed in External Exam	Level of Attainment	Attainment Level in end term exam	Pacead in	Level of Attainment	Attainment Level in end term exam	of Course Outcome	Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	- 11
SEM V	BT-351	Genetics	100	3	1.8	100	3	1.2	3	100
	BT-352	Agricultural Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-353	Animal Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-354	Industrial Biotechnology	100	3	1.8	100	3	1.2	3	100
(BT-355	Food Biotechnology	100	3	1.8	100	3	1.2	3	100
(BT-356	Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-357	Practical Course- Industrial Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-358	Practical Course- Animal Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-359	Practical Course- Food and Environmental Biotechnology	100	3	1.8	100	3	1.2	з	100
SEM VI	BT-361	Gene Biotechnology and Bioinformatic	100	3	1.8	100	3	1.2	3	100
-	BT-362	Plant Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-363	Immunology	100	3	1.8	100	3	1.2	3	100
	BT-364	Advanced Bioprocess technology	100	3	1.8	100	3	1.2	3	100
	BT-365	Pharmaceutical Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-366	Biodiversity and Biometry	100	3	1.8	100	3	1.2	3	100
	BT-367	Practical Course- Plant biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-368	Practical Course- Genetics and biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-369	Practical Course- Pharmaceutical biotechnology	100	3	1.8	100	3	1.2	3	100
	1 to a c	5 4 A			1.80		-	1.20	3.00	100
Level1	<45% of stu	dents scoring more than average marks				Program Outcome At	ttainment			
Level2	45-60% of s	tudents scoring more than average marks	Average Attainment h		Attainment 6 ct Method	0% of Average Attainm by Direct Method		of Average inment by	Average PO Attainment	%PO Attainment

F

Charlow O

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (TYBT)

Level1	<45% of students sco	ring more than average mar	ks				
Level2	45-60% of students scoring more than average man						
Level3							
Progra	am Outcome Level	Target Attainment					
	Level1	0.5>1.0					
Level2		1.0>1.5					
	Level2	1.0>1.5					
_	Level2 Level3	1.5>2.0					
_		server and server a					

		Program Outcome Attainn	nent		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Que Head, Department of Biotechnology R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.

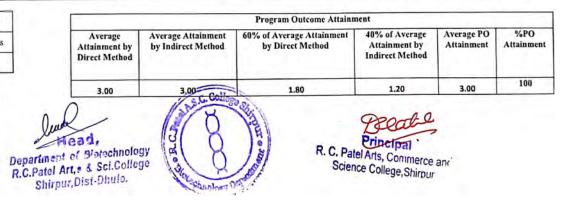
tre R. C. Patel Arts, Commerce and Science College, Shirpur pal

Semester (Theory /Practical	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
í	2	3	4	5	6	7	8	9	10=6+9	- 11 -
SEM V	BT-501	Microbial Genetics	100	3	1.8	100	3	1.2	3	100
	BT-502	Bioprocess Technology	90.72	3	1.8	100	3	1.2	3	100
100	BT-503	Metabolism	98	3	1.8	100	3	1.2	3	100
	BT-504	Medical Microbiology-I	100	3	1.8	100	3	1.2	3	100
	BT-505	Basic Immunology	100	3	1.8	100	3	1.2	3	100
	BT-506	Food Microbiology	90.72	3	1.8	100	3	1.2	3	100
	BT-507	Methods in Medical Microbiology-I	100	3	1.8	100	3	1.2	3	100
	BT-508	Methods in Industrial Microbiology-I	100	3	1.8	100	3	1.2	3	100
	BT-509	Methods in Applied Microbiology-I	100	3	1.8	100	3	1.2	3	100
SEM VI	BT-601	Molecular Biology	90.72	3	1.8	94.44	3	1.2	3	100
1.2.2	BT-602	Fermentations	90.72	3	1.8	94.44	3	1.2	3	100
	BT-603	Enzymology	90.72	3	1.8	94.44	3	1.2	3	100
	BT-604	Medical Microbiology-II	90.72	3	1.8	100	3	1.2	3	100
	BT-605	Advanced Immunology	90.72	3	1.8	94.44	3	1.2	3	100
	BT-606	Agricultural Microbiology	90.72	3	1.8	94.44	3	1.2	3	100
	BT-607	Methods in Medical Microbiology-II	90.72	3	1.8	100	3	1.2	3	100
	BT-608	Methods in Industrial Microbiology-II	90.72	3	1.8	100	3	1.2	3	100
	BT-609	Methods in Applied Microbiology-II	90.72	3	1.8	100	3	1.2	3	100
-			-		1.80	1	-	1.2	3.00	100

Calculation for Program Outcome	Attainment for the Academic	Year 2021-22 (TYBT)
Attalus	ant of Course Outcome	

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0



.....

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	of Course Outcon Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	1 - 1
SEM V	BT-501	Microbial Genetics	100	3	1.8	100	3	1.2	3	100
	BT-502	Bioprocess Technology	92.3	3	1.8	100	3	1.2	3	100
	BT-503	Metabolism	92.3	3	1.8	100	3	1.2	3	100
	BT-504	Medical Microbiology-I	100	3	1.8	100	3	1.2	3	100
	BT-505	Basic Immunology	100	3	1.8	100	3	1.2	3	100
	BT-506	Food Microbiology	100	3	1.8	100	3	1.2	3	100
	BT-507	Methods in Medical Microbiology-I	100	3	1.8	100	3	1.2	3	100
	BT-508	Methods in Industrial Microbiology-I	100	3	1.8	100	3	1.2	3	100
1000	BT-509	Methods in Applied Microbiology-I	100	3	1.8	100	3	1.2	3	100
SEM VI	BT-601	Molecular Biology	92.3	3	1.8	100	3	1.2	3	100
	BT-602	Fermentations	92.3	3	1.8	100	3	1.2	3	100
	BT-603	Enzymology	92.3	3	1.8	100	3	1.2	3	100
	BT-604	Medical Microbiology-II	100	3	1.8	100	3	1.2	3	100
	BT-605	Advanced Immunology	100	3	1.8	100	3	1.2	3	100
1	BT-606	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	BT-607	Methods in Medical Microbiology-II	100	3	1.8	100	3	1.2	3	100
	BT-608	Methods in Industrial Microbiology-II	100	3	1.8	100	3	1.2	3	100
	BT-609	Methods in Applied Microbiology-II	100	3	1.8	100	3	1.2	3	100
		B		-	1,80		-	1.20	3.00	100

Col

C

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (TYBT)

Level1	<45% of students sco	<45% of students scoring more than average marks						
Level2	45-60% of students s	coring more than average ma	rks					
Level3	>60% of students sco	oring more than average mark	s					
Program Outcome Level		Target Attainment						
	Levell	0.5>1.0						
	Level2	1.0>1.5						
Level3 Level4		1.5>2.0						
		2.0>2.5						
	Level5	2.5>3.0	Depe					

GINISTIE

Head, Department of Biolechnology R.C.Patel Art,s & Sci.College Shirpur,Dist-Dhule.

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

R. C. Patel Arts, Commerce and Science College, Shirpu

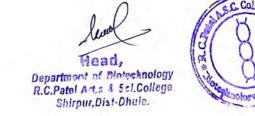
Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	MB-301	Applied and Environmental Microbiology	90.47	3	1.8	100	3	1.2	3	100
	MB-302	Molecular Biology and Bioinformatics	80.95	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	90.47	3	1.8	100	3	1.2	3	100
_	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	90.47	3	1.8	100	3	1.2	3	100
	MB-402	Applied Molecular Biology	80.95	3	1.8	100	3	1.2	3	100
	MB-403	Agricultural Microbiology	90.47	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
					1.80	1		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (MSc_BT)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Ou	tcome Attainment		E. S. States		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100



Tincipal R. C. Patel Aris, Commerce and Science College, Shirpur

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	BT-301	Recombinant DNA Technology	100	3	1.8	100	3	1.2	3	100
	BT-302	Plant Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-303	Advanced Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
1.1	BT-304	Methods in Plant Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-305	Methods in Environmental Biotechnology	100	3	1.8	100	3	1.2	3	100
SEM IV	BT-401	Food and Pharmaceutical Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-402	Bioinformatics	100	3	1.8	100	3	1.2	3	100
	BT-403	Industrial and Business Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	BT-405	Biotechnology Practical (Project Dissertation work)	100	3	1.8	100	3	1.2	3	100
· · · · · · ·					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (MSc_ BT)

Level1	<45% of stud	<45% of students scoring more than average marks					
Level2	45-60% of st	45-60% of students scoring more than average marks					
Level3	>60% of stud	>60% of students scoring more than average marks					
Program Outcome Level		Target Attainment					
1	evel1	0.5>1.0					
I	evel2	1.0>1.5					
Level3		1.5>2.0					
Level4		2.0>2.5					
I	evel5	2.5>3.0					

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Head, Department of Biotechnology R.C.Patel Art, 5 & Sci.College Shirpur, Dist-Dhule.



Principal R. C. Patel Arts, Commerce and Science College, Shire ar

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	MB-301	Applied and Environmental Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-302	Molecular Biology and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	100	3	1.8	100	3	1.2	3	100
	MB-402	Applied Molecular Biology	100	3	1.8	100	3	1.2	3	100
	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

C. Colle

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (MSc_BT)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

	Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment				
3.00	3.00	1.80	1.20	3.00	100				



Principal B. G. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM III	MB-301	Applied and Environmental Microbiology	100	3	1.8	100	3	1.2	3	100
100-10	MB-302	Molecular Biology and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	100	3	1.8	100	3	1.2	3	100
1	MB-402	Applied Molecular Biology	100	3	1.8	100	3	1.2	3	100
19-21	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
1.1.1.1	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
1	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (MSc_BT)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

1.1.	Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen				
3.00	3.00	1.80	1.20	3.00	100				

Read, Department of Bictechnology R.C.Patel Art,: 3 Sci.College Shirpur,Dist-Dhule.



incipal R. G. Patel Arts, Comr PICA SI

Seience College, St

1

Semester (Theory (Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
M	MB-301	Applied and Environmental Microbiology	96.87	3	1.8	100	3	1.2	3	100
	MB-302	Molecular Biology and Bioinformatics	93.75	3	1.8	100	3	1.2	3	100
	MB-303	Pharmaceutical Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-304	Methods in Biostatistics and Bioinformatics	100	3	1.8	100	3	1.2	3	100
	MB-305	Methods in Applied Microbiology	100	3	1.8	100	3	1.2	3	100
SEM IV	MB-401	Fermentation Technology	96.87	3	1.8	100	3	1.2	3	100
	MB-402	Applied Molecular Biology	93.75	3	1.8	100	3	1.2	3	100
	MB-403	Agricultural Microbiology	100	3	1.8	100	3	1.2	3	100
	MB-404	Methods in Biotechnology	100	3	1.8	100	3	1.2	3	100
	MB-405	Laboratory course (Project Dissertation)	100	3	1.8	100	3	1.2	3	100
-					1.80			1.2	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (MSc_BT) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment				
3.00	3.00	1.80	1.20	3.00	100				

Head, Department of Biotechnology R.C.Patel Art, s & Scl.College Shirpur, Dist-Dhule.



R. C. Patel Arts, Commerce and Science College, Shirpur

.

		Calculation for Pr	ogram Outcome A	tlainment for th	e Academic Year 2018	5-19 (1.1. D.St. Du	(any)			
Semester (Theory/ Practical)	Course Code	Course Title	Att % of Students Passed in External Exam	ainment of Cou Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	BOT-351	Coptogams	100	3	1.8	100	3	1.2	3	100
	BOT-352	Angiosperm Taxonomy	100	3	1.8	100	3	1.2	3	100
	BOT-353	Cell and Molecular Biology	100	3	1.8	100	3	1.2	3	100
	BOT-354	Advanced Plant Physiology	100	3	1.8	100	3	1.2	3	100
	BOT-355	Plant Ecology and Phytogeography	100	3	1.8	100	3	1.2	3	100
	BOT-356	Ethnobotany	100	3	1.8	100	3	1.2	3	100
	BOT-357	Practical paper-1	100	3	1.8	100	3	1.2	3	100
	BOT-358	Practical paper-II	100	3	1.8	100	3	1.2	3	100
	BOT-359	Practical paper-III	100	3	1.8	100	3	1.2	3	100
SEM VI	BOT-361	Gymnosperms & Paleobotany	100	3	1.8	100	3	1.2	3	100
SEM VI	BOT-361 BOT-362	Anatomy & Embryology	100	3	1.8	100	3	1.2	3	100
		and the second sec	100	3	1.8	100	3	1.2	3	100
	BOT-363	Genetics, Plant Breeding and Evolution								
	BOT-364	Plant Biochemistry	100	3	1.8	100	3	1.2	3	100
	BOT-365	Applied Botany	100	3	1.8	100	3	1.2	3	100
	BOT-366(C)	Horticulture	100	3	1.8	100	3	1.2	3	100
	BOT-367	Practical paper-I	100	3	1.8	100	3	1.2	3	100
	BOT-368	Practical paper-II	100	3	1.8	100	3	1.2	3	100
	BOT-369	Practical paper-III	100	3	1.80	100	3	1.20	3.00	100

SHIRE

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			



Department Of Botanu R C.Patel Art's Com.& Sci College Shirper, Dist Deule 425 405

Deatre Principal R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainmen	t of Cours	e Outcome					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V BOT-351 BOT-352 BOT-353 BOT-353 BOT-354 BOT-355 BOT-355 BOT-356 BOT-357 BOT-358 BOT-359 SEM VI BOT-361	Cryptogames	100	3	1.8	100	3	1.2	3	100	
	BOT-352	Angiosperm Taxonomy	100	3	1.8	100	3	1.2	3	100
	BOT-353	Cell and Molecular Biology	100	3	1.8	100	3	1.2	3	100
	BOT-354	Advanced Plant Physiology	100	3	1.8	100	3	1.2	3	100
	BOT-355	Plant Ecology and Phytogeography	100	3	1.8	100	3	1.2	3	100
	BOT-356	Ethnobotany	94.44	3	1.8	100	3	1.2	3	100
	BOT-357	Practical paper-I	100	3	1.8	100	3	1.2	3	100
	BOT-358	Practical paper-II	100	3	1.8	100	3	1.2	3	100
	BOT-359	Practical paper-III	100	3	1.8	100	3	1.2	3	100
SEM VI	BOT-361	Gymnosperms & Paleobotany	94.44	3	1.8	100	3	1.2	3	100
	BOT-362	Anatomy & Embryology	100	3	1.8	100	3	1.2	3	100
[BOT-363	Genetics, Plant Breeding and Evolution	100	3	1.8	100	3	1.2	3	100
	BOT-364	Plant Biochemistry	100	3	1.8	100	3	1.2	3	100
	BOT-365	Applied Botany	100	3	1.8	100	3	1.2	3	100
	BOT-366	Horticulture	94.44	3	1.8	100	3	1.2	3	100
	BOT-367	Practical paper-I	100	3	1.8	100	3	1.2	3	100
1	BOT-368	Practical paper-II	100	3	1.8	100	3	1.2	3	100
	BOT-369	Practical paper-III	100	3	1.80	100	3	1.20	3.00	100

SHIPP

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

		Program Outc	ome Attainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Whell'e

Department Of Botens R C-Patel Art's Com.& Sci College Shirpur, Dist Deule 425 405

Beat-l

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainme	nt of Cours	e Outcome					
Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	BOT-501	Lower Cryptogams	100	3	1.8	100	3	1.2	3	100
	BOT-502	Morphology and Systematics of Angiosperms	100	3	1.8	100	3	1.2	3	100
	BOT-503	Cell biology and Genetics	100	3	1.8	100	3	1.2	3	100
	BOT-504	Plant Physiology and Biochemistry	100	3	1.8	100	3	1.2	3	100
	BOT-505	Biofertilizers	100	3	1.8	100	3	1.2	3	100
	BOT-506	Horticulture	100	3	1.8	100	3	1.2	3	100
	BOT-507	Practical - I	100	3	1.8	100	3	1.2	3	100
- 11	BOT-508	Practical - II	100	3	1.8	100	3	1.2	3	100
1000	BOT-509	Practical - III	100	3	1.8	100	3	1.2	3	100
SEM VI	BOT-601	Higher Cryptogams	100	3	1.8	100	3	1.2	3	100
	BOT-602	Gymnosperms & Paleobotany	100	3	1.8	100	3	1.2	3	100
	BOT-603	Molecular Biology	100	3	1.8	100	3	1.2	3	100
	BOT-604	Economic Botany	100	3	1.8	100	3	1.2	tt of Course Outcome 10=6+9 3 3 3 3 3 3 3 3 3 3 3 3 3	100
	BOT-605	Floriculture	100	3	1.8	100	3	1.2		100
	BOT-606	Plant Breeding	100	3	1.8	100	3	1.2	3	100
	BOT-607	Practical - I	100	3	1.8	100	3	1.2	3	100
	BOT-608	Practical - II	100	3	1.8	100	3	1.2	3	100
1	BOT-609	Practical - III	100	3	1.80	100	3	1.20	3.00	100

Level1	<45% of students	<45% of students scoring more than average marks								
Level2	45-60% of studen marks	45-60% of students scoring more than average marks								
Level3	>60% of students	50% of students scoring more than average marks								
Program	n Outcome Level	Target Attainment								
	Level1	0.5>1.0								
	Level2	1.0>1.5								
	Level3	1.5>2.0								
	Level4	2.0>2.5								
	Level5	2.5>3.0								

		Program Outcome At	tainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Whelke Department Of Botary R C Patel Art's.Com.& Sci College Shiroer.Dist Deule 425 405



R. C. Batel Arts, Commerce and Science College, Shirpur

		Calculation for Progra		nt of Course O						
Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainmen t	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	BOT-501	Lower Cryptogams	100	3	1.8	100	3	1.2	3	100
	BOT-502	Morphology and Systematics of Angiosperms	100	3	1.8	100	3	1.2	3	100
	BOT-503	Cell biology and Genetics	100	3	1.8	100	3	1.2	of Course Outcome 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	100
	BOT-504	Plant Physiology and Biochemistry	100	3	1.8	100	3	1.2		100
	BOT-505	Biofertilizers	100	3	1.8	100	3	1.2	3	100
	BOT-506	Horticulture	100	3	1.8	100	3	1.2	3	100
	BOT-507	Practical - I	75	3	1.8	100	3	1.2	3	100
10.00	BOT-508	Practical - II	75	3	1.8	100	3	1.2	3	100
	BOT-509	Practical - III	75	3	1.8	100	3	1.2	3	100
SEM VI	BOT-601	Higher Cryptogams	50	2	1.2	100	3	1.2	2.4	80
	BOT-602	Gymnosperms & Paleobotany	50	2	1.2	100	3	1.2	2.4	80
	BOT-603	Molecular Biology	50	2	1.2	100	3	1.2	2.4	80
	BOT-604	Economic Botany	75	3	1.8	100	3	1.2	3	100
	BOT-605	Floriculture	75	3	1.8	100	3	1.2	3	100
	BOT-606	Plant Breeding	75	3	1.8	10	1	0.4	2.2	73.33
	BOT-607	Practical - I	75	3	1.8	100	3	1.2	3	100
	BOT-608	Practical - II	75	3	1.8	100	3	1.2	3	100
	BOT-609	Practical - III	75		1.69	100	3	1.20	2.89	96.33

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment										
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment					
2.89	3.00	1.69	1.20	3.00	100					

HOOGO



		Calculation for Program Outcome	ttainment of (Course Outo	come					
Semester .(Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	BOT-501	Lower Cryptogams	100	3	1.8	100	3	1.2	3	100
	BOT-502	Morphology and Systematics of Angiosperms	77.7	3	1.8	100	3	1.2	3	100
	BOT-503	Cell biology and Genetics	100	3	1.8	100	3	1.2	of Course Outcome 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	100
	BOT-504	Plant Physiology and Biochemistry	100	3	1.8	100	3	1.2		100
	BOT-505	Biofertilizers	100	3	1.8	100	3	1.2		100
	BOT-506	Horticulture	100	3	1.8	100	3	1.2		100
	BOT-507	Practical - I	100	3	1.8	100	3	1.2	3	100
	BOT-508	Practical - II	100	3	1.8	100	3	1.2	3	100
	BOT-509	Practical - III	100	3	1.8	100	3	1.2	3	100
SEM VI	BOT-601	Higher Cryptogams	100	3	1.8	100	3	1.2	3	100
	BOT-602	Gymnosperms & Paleobotany	100	3	1.8	100	3	1.2	3	100
	BOT-603	Molecular Biology	100	3	1.8	100	3	1.2	3	100
	BOT-604	Economic Botany	100	3	1.8	100	3	1.2	3	100
	BOT-605	Floriculture	100	3	1.8	100	3	1.2	3	100
	BOT-606	Plant Breeding	100	3	1.8	100	3	1.2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	100
	BOT-607	Practical - I	100	3	1.8	100	3	1.2	3	100
	BOT-608	Practical - II	100	3	1.8	100	3	1.2	3	100
	BOT-609	Practical - III	100	3	1.80	100	3	1.20	3.00	100

Average Attainment

by Indirect Method

3.00

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Welk. Department Of Botany R C.Patel Art's Com.& Sci Cellege Shirour, Dist Dhule 425 405

Average

Attainment

by Direct Method

3.00



40% of Average

Attainment by

Indirect Method

1.20

%PO

Attainment

100

Average

PO

Attainment

3.00

Program Outcome Attainment 60% of Average 40% of

Attainment by Direct

Method

1.80

R. C. Patel Arts, Commerce and Science College, Shirput

				nment of C	ourse	Outcome					
Semester (Theory/ Practical)	Course Code	Course Title	Stu Pas Ext		vel of inment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course	% CO Attainment
1	2	1		1	5	6	7	8	9	10=6+9	11
	BOT-301	Gymnosperm and Paleobotany			3	1.8	100	3	1.2	3	100
	BOT-302	Plant Biotechnology and Bioinformatics	1	00	3	1.8	100	3	1.2	3	100
SEM-III	BOT-303	Angiosperms Special Paper I	1	00	3	1.8	100	3	1.2	3	100
SEM-III	BOT-304	Practical Paper I	1	00	3	1.8	100	3	1.2	3	100
	BOT-305	Practical Paper II	1	00	3	1.8	100	3	1.2	3	100
	BOT-401	Developmental Botany	1	00	3	1.8	100	3	1.2	3	100
	BOT-402	Angiosperms Taxonomy Special Pape II		00	3	1.8	100	3	1.2	3	100
	BOT-403	Angiosperms Taxonomy Special Pape III		00	3	1.8	100	3	1.2	3	100
SEM-IV	BOT-404	Practical Paper I	1	00	3	1.8	100	3	1.2	3	100
	BOT-405	Practical Paper II	1	00	3	1.8	100	3	1.2	3	100
	BOT-406	Practical Project	1	00	3	1.8	100	3	1.2	3	100
-1						1.80			1.20	3.00	100
Level1	<45% of stude	nts scoring more than average marks			_		Program Ou	tcome Attai	nment		
Level2	45-60% of stud	lents scoring more than average marks		Average	Aver	rage Attainment	60% of Av		40% of Average	Average	%PO
Level3	>60% of stude	nts scoring more than average marks		Attainment by Direct		ndirect Method	Attainment b Metho	y Direct	Attainment by Indirect Method	PO Attainment	Attainmen
Progra	m Outcome Lo Level1	05\10		Method				Se			405
	Level2	1.0>1.5		3.00	-	3.00 MM.AND	1.80		1.20 0	3.00	100
	Level3	1.5>2.0	INNE	Ke3.00		15	Sol	0	Principal	2	
	Level4	2.0>2.5	VVV			E C	E	V	1.		

μ

SHIRP

Principal

R. C. Palel Arts, Commerce and Science College, Shirpur

Department Of Botans R C.Patel Art's Com& Sci College Shirpur, Dist Dhule 425 405

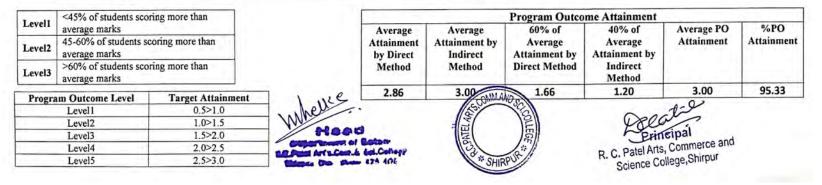
Calculation for Program Outcome Attainment for the Academic Year 2021-22 (M.Sc. Botany) Attainment of Course Outcome

Level5

2.0>2.5 2.5>3.0

					Attainment of	Course Outeo	inc			-
Semester (Theory/ Practical)	Course Code	Attainment of Course Outcome	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	BOT-301	Plant Development & Reproduction	100	3	1.8	100	3	1.2	3	100
	BOT-302	Angiosperms Taxonomy I	100	3	1.8	100	3	1.2	3	100
SEM-	BOT-303	Practical Paper 1	75	3	1.8	100	3	1.2	3	100
III	BOT-304	Practical Paper II	100	3	1.8	100	3	1.2	3	100
	BOT-305	Biostastics & Bioinformatics	100	3	1.8	100	3	1.2	3	100
	AC 301 (D)	Biodiversity & Conservation	56	2	1.2	100	3	1.2	2.4	80
	BOT-401(C)	Angiosperms Taxonomy II	88.88	3	1.8	100	3	1.2	3	100
	BOT-402(C)	Angiosperms Taxonomy III	94.44	3	1.8	100	3	1.2	3	100
	BOT-403	Practical Paper	94.44	3	1.8	100	3	1.2	3	100
SEM-	BOT-404	Practical Project	100	3	1.8	100	3	1.2	3	100
IV	BOT-405 (A)	Plant Ecology & Phytogeography	100	3	1.8	100	3	1.2	3	100
	AC 401 (C)	Banana Fruit Processing	100	3	1.8	100	3	1.2	3	100
					1.66			1.20	2.86	95.33

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (M.Sc. Botany) Attainment of Course Outcome



Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	tainment of Cour Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
14-11	CH -351	Physical Chemistry	80.6	5	1.8	98	8	1.2	3	100
	CH -352	Inorganic Chemistry	95.65	3	1.8	96	3	1.2	3	100
SEM V	CH -353	Organic Chemistry	92.1	3	1.8	96	3	1.2	3	100
	CH -354	Analytical Chemistry	80,5	3	1.8	100	3	1.2	3	100
	CH -355	Industrial Chemistry	95.3	3	1.8	100	3	1.2	3	100
	CH -356	Green Chemistry	98.6	3	1.8	100	3	1.2	3	100
SEM VI	CH -361	Physical Chemistry	82.6	1	0.6	95	1	0.4	1	100
DEN VI	CH -362	Inorganic Chemistry	95.65	1	1.8	95	1	1.2	3	100
	CH -363	Organic Chemistry	92.75	3	1.8	98	3	1.2	3	100
	CH -364	Analytical Chemistry	82.6	3	1.8	91	3	1.2	3	100
	CH -365	Industrial Chemistry	94.2	3	1.8	96	3	1.2	3	100
		and the second se	98.55	3	1.8	100	3	1.2	3	100
	CH -366	Polymer Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -367	Physical Chemistry Practical		3	1.8	100	3	1.2	3	100
	CH -368 CH -369	Inorganic Chemistry Practical Organic Chemistry Practical	100 100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (B.Sc. Chemistry)

Level1	<45% of students scorin	ng more than average marks					
Level2	45-60% of students scoring more than average marks						
Level3	>60% of students scorin	60% of students scoring more than average marks					
Prog	am Outcome Level	Target Attainment					
	Level1	0.5>1.0					
	Level2	1.0>1.5					
	Level3	1.5>2.0					
1.1	Level4	2.0>2.5					
1	Level5	2.5>3.0					

5. S		Program Outcome	Attainment	2.24	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

mahachabon AHAD Department of Chemistry #.6.Patel Arts, Comm. A Soi. Colleg-Shirpur. Dist. Dhute 378 apr

MAN

R. C. Patel Arts, Commerce and Science College, Shirpur

1

5

36

Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
I	2	3	4	5	6	7	8	9	10=6+9	11
SEM V	CH -351	Physical Chemistry	98.46	5	6	7	8	9	10=6+9	100
oun y	CH -352	Inorganic Chemistry	98.46	3	1.8	100	3	1.2	3	100
-	CH -353	Organic Chemistry	99.23	3	1.8	100	3	1.2	3	100
-			99.23	3	1.8	100	3	1.2	3	100
	CH -354	Analytical Chemistry		3	1.8	100	3	1.2	3	100
	CH -355 CH - 356	Industrial Chemistry Green Chemistry	99.23	3	1.8	100	3	1.2	3	100
CTA 17	CH -361	Physical Chemistry	89.47	3	1.8	100	3	1.2	3	100
SEM VI			78.07	3	1.8	100	3	1.2	3	100
	CH -362	Inorganic Chemistry	65.79	3	1.8	100	3	1.2	3	100
	CH -363	Organic Chemistry	92.1	3	1.8	100	3	1.2	3	100
	CH -364	Analytical Chemistry		3	1.8	100	3	1.2	3	100
	CH -365	Industrial Chemistry	85.08		1.8	100	3	1.2	3	100
-	CH -366	Polymer Chemistry	92.98	3				1	3	100
	CH -367	Physical Chemistry Practical	99.12	3	1.8	100	3	1.2		100
1.2.2.4	CH -368	Inorganic Chemistry Practical	99.12	3	1.8	100	3	1.2	3	
	CH -369	Organic Chemistry Practical	99.12	3	1.8	100	3	1.2	3	100
1				-	1.80		· · · · ·	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (B.Sc. Chemistry)

Level1	<45% of students scoring more than average marks					
Level2	Level2 45-60% of students scoring more than average ma					
Level3	>60% of students scoring more than average marks					
Pr	ogram Outcome Level	Target Attainment				
	Levell	0.5>1.0				
	Level2	1.0>1.5				
	Level3	1.5>2.0				
	Level4	2.0>2.5				
Level5		2.5>3.0				

		Program Outcome	Attainment		1.1
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Anahashabah

Department Of Chomisson (C.Patel Arts, Comm.& Sci.Coller Shirpor.Dist.Dhute 475 405

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
S. 512.4		3	4	5	6	7	8	9	10=6+9	11
1	2		100	3	1.8	98	3	1.2	3	100
-	CH -501	Physical Chemistry				96	3	1.2	3	100
	CH -502	Inorganic Chemistry	100	3	1.8					100
SEM V	CH -503	Organic Chemistry	100	3	1.8	96	3	1.2	3	100
	CH -504	Analytical Chemistry	100	3	1.8	100	3	1.2	3	1. The second
			100	3	1.8	98	3	1.2	3	100
	CH -505	Industrial Chemistry				100	3	1.2	3	100
	CH -506	Green Chemistry	100	3	1.8					100
SEM VI	CH -601	Physical Chemistry	100	3	1.8	97	3	1.2	3	100
-	CH -602	Inorganic Chemistry	100	3	1.8	68	3	1.2	3	
			100	3	1.8	100	з	1.2	3	100
	CH -603	Organic Chemistry				100	3	1.2	3	100
	CH -604	Analytical Chemistry	100	3	1.8					100
	CH -605	Industrial Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -606	Polymer Chemistry	100	3	1.8	100	3	1.2	3	
	1.000			3	1.8	100	3	1.2	3	100
	CH -607	Physical Chemistry Practical	100					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	100
	CH -608	Inorganic Chemistry Practical	100	3	1.8	100	3	1.2	3	
	CH -609	Organic Chemistry Practical	100	3	1.8	100	3	1.2		100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (B.Sc. Chemistry)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outc	ome Attainme	ent	
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
3.00	3.00	1.80	1.20	3.00	100

- Anahachabon

Department Of Chemistry LC.Patel Arts, Comm.& Sol.Colleg-Shirpur,Dist,Dhule 475 ans



mcipal R. C. Patel Arts, Commerce and Science College, Shirp

)

.

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end	% of Students Passed in Internal	Level of Attainment	40% of Attainment Level in end	Attainment of Course Outcome	%CO Attainmen
	-		1.000		term exam	Exam 7		term exam	10=6+9	
12-	2	3	4	5	6	1.2.2	8	9		100
	CH -501	Physical Chemistry	100	3	1.8	100	3	1.2	3	
-	CH -502	Inorganic Chemistry	100	3	1.8	100	3	1.2	3	100
SEM V	CH -503	Organic Chemistry	100	З	1.8	100	3	1.2	3	100
1000	CH -504	Analytical Chemistry	100	3	1,8	100	з	1.2	3	100
	CH -505	Industrial Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -506	Green Chemistry	100	3	1.8	100	3	1.2	3	100
SEM VI	CH -601	Physical Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -602	Inorganic Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -603	Organic Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -604	Analytical Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -605	Industrial Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -605	Polymer Chemistry	100	3	1.8	100	3	1.2	3	100
	CH -607	Physical Chemistry Practical	100	3	1.8	100	3	1.2	3	100
	CH -608	Inorganic Chemistry Practical	100	3	1.8	100	3	1.2	3	100
	CH -609	Organic Chemistry Practical	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (B.Sc. Chemistry)

Level1	<45% of students scoring more than average marks			
Level2	45-60% of students scoring more than average marks			
Level3	>60% of students scoring more than average marks			
Prog	ram Outcome Level	Target Attainment		
	Level1	0.5>1.0		
_	Level2	1.0>1.5		
	Level3	1.5>2.0		
Level4		2.0>2.5		
	Level5	2.5>3.0		

	1	Program Outcome	Attainment		1
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Anahachabor EBAD

Department Of Chemistry UC.Patel Arts, Comm.& Sci.Colleg-Shirpur.Dist, Dhulp 429 401



2

Principal R. C. Patel Arts, Commerce and Science College.Shirpur

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end ferm exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	% CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	CH -501	Physical Chemistry	35.78	1	0.6	98	3	1.2	1.8	60
	CH -502	Inorganic Chemistry	49.47	2	1.2	96	3			80
SEM V	CH -503	Organic Chemistry	25.26	1	0.6	98	3	1.2	2.4	60
	CH -504	Analytical Chemistry	37.89	1	0.6	100	3	1.2	1.8	60
	CH -505	Industrial Chemistry	53.68	2	1.2	100	3	1.2	2.4	80
	CH -506	Green Chemistry	51.57	2	1.2	100	3	1.2		80
SEM VI	CH -601	Physical Chemistry	37.5	1	0.6	98	3	1.2	2.4	60
	CH -602	Inorganic Chemistry	62.5	3	1.8	99	3	1.2	3	100
	CH -603	Organic Chemistry	64.58	3	1.8	91	3	1.2	3	100
	CH -604	Analytical Chemistry	73.95	3	1.8	98	3	1.2	3	100
	CH -605	Industrial Chemistry	73.95	3	1.8	100	3	1.2	3	100
	CH -606	Polymer Chemistry	70.83	3	1.8	98	3	1.2	3	100
	CH -607	Physical Chemistry Practical	100	3	1.8	100	3	1.2	3	100
		Inorganic Chemistry Practical	100	3	1.8	100				100
	CH -609	Organic Chemistry Practical	100	3	1.8	100	3	1.2 1.2	3	100
1					1.80	-		1.20	2.56	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (B.Sc. Chemistry) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks	
Level2	45-60% of students scoring more than average marks	
Level3	>60% of students scoring more than average marks	-

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome	Attainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment
2.56	3.00	1.80	1.20	3.00	100

ABAD Department Of Chevalstry CCPatel Arts,Comm& Sci.Colleg-Shirpur,Dist,Diale 625 405

Bear

Principal R. C. Patel Arts, Commerce and Science College,Shirpur

				nt of Course C	Juicome	1			-	
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainmen t	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainmen t	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	CH-350	Organic Reaction Mechanism	90.62	3	1.8	95.6	3	1.2	3	100
	CH-351	Spectroscopic Methods in Structure Determination	93.75	3	1.8	96.3	3	1.2	3	100
SEM III	CH-352	Organic Stereochemistry	90.62	3	1.8	94.2	3	1.2	3	100
<u>CENTIN</u>	CH-353	Free radical, photochemistry, Pericyclic reaction and their applications	93.75	3	1.8	99.3	3	1.2	3	100
SEM IV	CH-450	Chemistry of Natural Products	81.81	3	1.8	91.5	3	1.2	3	100
Clair II	CH-451	Synthetic Methods in Organic Chemistry	60.6	3	1.8	89.6	3	1.2	3	100
	CH-452	Heterocyclic chemistry, Chiron approach and medicinal chemistry	90.9	3	1.8	95.6	3	1.2	3	100
	CH -O-2	Ternary mixture separation	100	3	1.8	100	3	1.2	3	100
-	CH -0-3	Three stage preparations	100	3	1.8	100	3	1.2	3	100
	CH -0-4	Short Research Project	100	3	1.8	100	3	1.2	3	100
	G1-0-4	Short Hesterier reject			1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (M.Sc. Chemistry)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Levell	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Anahachabon

C.Patel Arts, Comm. & Sol. College Shirour. Oist, Dhule 425 dht



Principal R. C. Patel Arts, Commerce and Science College Stars

			Attainment	of Course Outco	ome	-	-		-	0/00
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	CH-350	Organic Reaction Mechanism	87.71	3	1.8	89	3	1.2	3	100
	CH-350	Spectroscopic Methods in Structure Determination	64.28	3	1.8	91	3	1.2	3	100
SEM III	CH-352	Organic Stereochemistry	57.14	2	1.2	95	3	1.2	2.4	80
SEMIII		Free radical, photochemistry, Pericyclic reaction and their applications	64.28	3	1.8	96	3	1.2	3	100
	CH-353	Chemistry of Natural Products	100	3	1.8	91	3	1.2	3	100
SEM IV	CH-450	The second se	100	3	1.8	94	3	1.2	3	100
	CH-451 CH-452	Synthetic Methods in Organic Chemistry Heterocyclic chemistry, Chiron approach and medicinal chemistry	100	3	1.8	96	3	1.2	3	100
		the second state of the second s	100	3	1.8	100	3	1.2	3	100
	CH -0-2	Ternary mixture separation	100	3	1.8	100	3	1.2	3	100
	CH -O-3	Three stage preparations	100	3	1.8	100	3	1.2	3	100
	CH -0-4	Short Research Project	100	3	1.74	100		1.20	2.94	88

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (M.Sc. Chemistry)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment	
Level1	0.5>1.0	
Level2	1.0>1.5	
Level3	1.5>2.0	
Level4	2.0>2.5	
Level5	2.5>3.0	

		Program Outcom	e Attainment			
Average Attainment by Direct Method	Average Attainment by Indirect Method	Average 60% of Average tainment Attainment by Indirect Direct Method A Method by		40% of Average Average PO Attainment Attainment by Indirect Method		
2.94	3.00	1.74	1.20	1.74	88	

Anathash Alberto Department Of Chemistr C.Patel Arts.Comm.& Sci.Colley Shirper.Dist.Dhula 425 602

OMMA LEGE SHIRP

Principal R. C. Patel Arts, Commerce and Science College, Shirpur

_			Attainment o	Course Out	come			-		
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmer
1	2	3	-4	5	6	7	8	9	10=6+9	11
	CH-350	Organic Reaction Mechanism	100	3	1.8	100	3	1.2	3	100
	CH-351	Spectroscopic Methods in Structure Determination	100	3	1.8	100	3	1.2	3	100
	CH-352	Organic Stereochemistry	100	3	1.8	100	3	1.2	3	100
	СН-353	Free radical, photochemistry, Pericyclic reaction and their applications	100	3	1.8	100	3	1.2	3	100
SEM IV	CH-450	Chemistry of Natural Products	100	3	1.8	100	3	1.2	3	100
	CH-451	Synthetic Methods in Organic Chemistry	100	3	1.8	100	3	1.2	3	100
	CH-452	Heterocyclic chemistry, Chiron approach and medicinal chemistry	100	3	1.8	100	3	1.2	3	100
	CH -O-2	Ternary mixture separation	100	3	1.8	100	3	1.2	3	100
	CH -O-3	Three stage preparations	100	3	1.8	100	3	1.2	3	100
	CH -O- 4	Short Research Project	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (M.Sc. Chemistry)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

Program Outcome Attainment									
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment				
3.00	3.00	1.80	1.20	3.00	100				

mahashaber

HEAD Department Of Chemissry 1.C.Patel Arts,Comm.& Sci.College Shirour,Dist,Dbute 425 405



R. C. Patel Arts, Commerce and Science College,Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainmen t	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
1	2	3	4	5	6	7	8	9	10=6+9	11
	CH-350	Organic Reaction Mechanism	93.02	3	1.8	100	3	1.2	3	100
	CH-351	Spectroscopic Methods in Structure Determination	100	3	1.8	100	3	1.2	3	100
SEM III	CH-352	Organic Stereo Chemistry	100	3	1.8	100	3	1.2	3	100
	CH-353	A) Heterocyclic Chemistry	100	3	1.8	100	3	1.2	3	100
SEM IV	CH-450	Chemistry of Natural Products	100	3	1.8	100	3	1.2	3	100
	CH-451	Synthetic Methods in Organic Chemistry	100	3	1.8	96	3	1.2	3	100
	CH-452	(A) Drug Chemistry	100	3	1.8	99	3	1.2	3	100
	CH -O-2	Organic Chemistry Practical Course-II	100	3	1.8	100	3	1.2	3	100
1	CH -O-3	Organic Chemistry Practical Course-III	100	3	1.8	100	3	1.2	3	100
1.101-01	CH -0-4	A Short Research Project	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (M.Sc. Chemistry)

Attainment of Course Outcome

Level1	<45% of students scoring more than average marks				
evel2	45-60% of students scoring more than average marks				
Level3	>60% of students scoring	more than average marks			
Prog	ram Outcome Level	Target Attainment			
	Level1	0.5>1.0			
	Level2	1.0>1.5			
Level3		1.5>2,0			
Level4		2.0>2.5			
	Level5	2.5>3.0			

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Methød	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	% PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Anahaehabder)

Chant Arts.Comm.& Sci.Collen Scient Arts.Comm.& Sci.Collen Scient Arts.Comm.& Sci.Collen



R. C. Patel Arts, Commerce and Science College, Shirpur

			Attainmen	t of Course (Dutcome					
Semester (Theory /Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmer
1	2	3	4	5	6	7	8	9	10=6+9	11
	CH-350	Organic Reaction Mechanism	80.5	3	1.8	89	3	1.2	3	100
	СН-351	Spectroscopic Methods in Structure Determination	95.5	3	1.8	81	3	1.2	3	100
SEM III	CH-352	Organic Stereo Chemistry	90.5	3	1.8	85	3	1.2	3	100
	CH-353	A) Heterocyclic Chemistry	96.3	3	1.8	98.3	3	1.2	3	100
SEM IV	CH- 450	Chemistry of Natural Products	74.47	3	1.8	80.4	3	1.2	3	100
	CH-451	Synthetic Methods in Organic Chemistry	64.7	3	1.8	86	3	1.2	3	100
	CH-452	(A) Drug Chemistry	64.11	3	1.8	89	3	1.2	3	100
•	CH -O- 2	Organic Chemistry Practical Course- II	100	3	1.8	100	3	1.2	3	100
1	CH -O- 3	Organic Chemistry Practical Course- III	100	3	1.8	100	3	1.2	3	100
	CH -O- 4	A Short Research Project	100	3	1.8	100	3	1.2	3	100
					1.80			1.20	3.00	100

Calculation for Program Outcome Atta	inment for the Academic 1	Year 2022-23(M.Sc. Chemistry)
--------------------------------------	---------------------------	-------------------------------

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment 60% of Average Attainment by Direct Method Attainment Average Average Attainment Average % PO Attainment PO Attainment by Direct by Indirect Attainment by Indirect Method Method Method 3.00 3.00 3.00 1.80 100 1.20

Chahaehabow)

riteAL Department Of Chemistry S. Antel Arts, Comm.& Sci. College Charges, Dist. Dhuth '428 405



tel R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/Practical)	Course Code	Course Title	Attainment of % of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end	Attainment of Course Outcome	%Co Attainmen
1	2	3		-	term exam			term exam		
	Z00-351	Non-chordates III	4	5	6	7	8	9	10=6+9	11
			100	3	1.8	100	3	1.2	3	100
		Mammalian Histology and		3	1.8	100	3	1.2	3	100
	Zoo-354		100	3	1.8	100	3	1.2	3	100
SEM V	Z00-355		80	3	1.8	100	3	1.2	3	100
			100	3	1.8	100	3	1.2	3	100
		Public health and hygiene	100	3	1.8	100	3	1.2	3	100
	Zoo-357		100	3	1.8	100	3	1.2	3	100
	Z00-358	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-359	Practical	100	3	1.8	100	3	1.2	3	100
	Z00-361	Chordates III	100	3	1.8	100	3	1.2	3	100
	Z00-362	General embryology	100	3	1.8	100	3	1.2	-	
1	Z00-363	Mammalian Histology and	100	3	1.8	100	3		3	100
1 Sec. 1	Z00-364	Research Methodology	100	3	1.8	100	3	1.2	3	100
SEM VI	Z00-365	Microtechnique	100	3	1.8	100		1.2	3	100
		Applied Zoology	100	3	1.8		3	1.2	3	100
1		Practical	100	3		100	3	1.2	3	100
		Practical	100	3	1.8	100	3	1.2	3	100
		Practical		3	1.8	100	3	1.2	3	100
	200 505	. ideucal	100		1.80	100	3	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2018-19 (T.Y.B.Sc. Zoology)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome Atta	ainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head Department of Zoology R.C.Patel Arts, Com.&.Sci.Colleg-Shirpur, Dist. Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

134 |

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%Co Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	П
	Z00-351	Non-chordates III	100	3	1.8	100	3	1.2	3	100
	Zoo-352	Cell and Molecular biology	70	3	1.8	100	3	1.2	3	100
	Zoo-353	Mammalian Histology and Physiology I	100	3	1.8	100	3	1.2	3	100
2.2.2.1	Zoo-354	Biochemistry	75	3	1.8	80	3	1.2	3	100
SEM V	Zoo-355	Systematics, Evolution and Palaeontology	100	3	1.8	100	3	1.2	3	100
	Zoo-356	Public health and hygeine	100	3	1.8	100	3	1.2	3	100
	Zoo-357	Practical	100	3	1.8	100	3	1.2	3	100
		Practical	100	3	1.8	100	3	1.2	3	100
		Practical	100	3	1.8	100	3	1.2	3	100
		Chordates III	100	3	1.8	100	3	1.2	3	100
		General embryology	100	3	1.8	93.75	3	1.2	3	100
	Z00-363	Mammalian Histology and physiology	100	3	1.8	100	3	1.2	3	100
10000		Research Methodology	71	3	1.8	100	3	1.2	3	100
SEM VI		Microtechnique	100	3	1.8	100	3	1.2	3	100
	Z00-366	Applied Zoology	80	3	1.8	100	3	1.2	3	100
	Z00-367	Practical	100	3	1.8	100	3	1.2	3	100
	Z00-368		100	3	1.8	100	3	1.2	3	100
	Z00-369	Practical	100		1.80	100	-	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2019-20 (T.YB.Sc. Zoology) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

	1 2 3 4 6 C 1 1 1	Program Outcome Attai	nment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainm ent
3.00	3.00	1.80	1.20	3.00	100

Head Department of Zoology R. C.Patel Arts, Com. & Sci. Colleg Shirpur, Dist. Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%Co Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	Zoo-501	Reproductive Endocrinology	100	3	1.8	100	3	1.2	3	100
	Zoo-502	Cell and Molecular Biology (CMB)	100	3	1.8	100	3	1.2	3	100
	Zoo-503	Mammalian Histology	100	3	1.8	100	3	1.2	3	100
	Zoo-504	Animal Biotechnology	78	3	1.8	100	3	1.2	3	100
SEM V	Zoo-505	Public health and hygiene	80	3	1.8	100	3	1.2	3	100
	Zoo-506	Pest Management	75	3	1.8	100	3	1.2	3	100
	Zoo-507	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-508	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-509	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-601	Study of Leech & Calotes	100	3	1.8	100	3	1.2	3	100
	Zoo-602	Chick Embryology	60	3	1.8	100	3	1.2	3	100
	Zoo-603	Applied Zoology	100	3	1.8	100	3	1.2	3	100
	Zoo-604	Microtechnique	100	3	1.8	100	3	1.2	3	100
SEM VI	Zoo-605	Research Methodology	90	3	1.8	100	3	1.2	3	100
	Zoo-606	Sericulture	100	3	1.8	100	3	1.2	3	100
	Zoo-607	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-608	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-609	Practical	100		1.80	100		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2020-21 (T.YB.Sc. Zoology) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment								
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment			
3.00	3.00	1.80	1.20	3.00	100			

Head Department of Zoology R.C.Patel Arts, Com.& Sci. Colle Shirpur, Dist. Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	11
	Zoo-501	Reproductive Endocrinology	100	3	1.8	100	3	1.2	3	100
	Zoo-502	Cell and Molecular Biology (CMB)	75	3	1.8	100	3	1.2	3	100
	Zoo-503	Mammalian Histology	100	3	1.8	100	3	1.2	3	100
	Zoo-504	Animal Biotechnology	80	3	1.8	100	3	1.2	3	100
Zoc Zoc	Zoo-505	Public health and hygiene	100	3	1.8	100	3	1.2	3	100
	Z00-506	Pest Management	80	3	1.8	100	3	1.2	3	100
	Zoo-507	Practical	100	3	1.8	100	3	1.2	3	100
	Z00-508	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-509	Practical	98	3	1.8	100	3	1.2	3	100
	Zoo-601	Study of Leech & Calotes	100	3	1.8	100	3	1.2	3	100
	Zoo-602	Chick Embryology	100	3	1.8	100	3	1.2	3	100
	Zoo-603	Applied Zoology	100	3	1.8	100	3	1.2	3	100
	Z00-604	Microtechnique	75	3	1.8	100	3	1.2	3	100
SEM VI	Zoo-605	Research Methodology	100	3	1.8	100	3	1.2	3	100
	Z00-606	Sericulture	98	3	1.8	100	3	1.2	3	100
	Zoo-607	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-608	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-609	Practical	100	3	1.80	100	3	1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (T.YB.Sc. Zoology) Attainment of Course Outcome

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

Program Outcome Attainment							
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment		
3.00	3.00	1.80	1.20	3.00	100		

Head Department of Zoology R.C.Patel Arts, Com. & Sci. Con Shirpur Disc Di



Principal R. C. Patel Arts, Commerce and Science College,Shirpur

Semester (Theory/Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainment
	1.		4	5	6	7	8	9	10=6+9	11
1	2	3		3	1.8	100	3	1.2	3	100
Zoo	Zoo-501	Reproductive Endocrinology	83.33	3	1.8	100	3	1.2	3	100
	Zoo-502	Cell and Molecular Biology	100	-	1.8	100	3	1.2	3	100
	Zoo-503		100	3		100	3	1.2	3	100
	Zoo-504	Animal Biotechnology	83.33	3	1.8		3	1.2	3	100
SEM V	Zoo-505	Public health and hygiene	100	3	1.8	100	3	1.2	3	100
		Pest Management	100	3	1.8	100	3	1.2	3	100
		Practical	100	3	1.8	100	-	1.2	3	100
		Practical	100	3	1.8	100	3		3	100
		Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-601		83.33	3	1.8	100	3	1.2		100
		Chick Embryology	100	3	1.8	100	3	1.2	3	
		Applied Zoology	100	3	1.8	100	3	1.2	3	100
		Microtechnique	83.33	3	1.8	100	3	1.2	3	100
CEM MI		Research Methodology	100	3	1.8	100	3	1.2	3	100
SEM VI		Sericulture	100	3	1.8	100	3	1.2	3	100
			100	3	1.8	100	3	1.2	3	100
		Practical	100	3	1.8	100	3	1.2	3	100
		Practical Practical	100		1.80	100		1.20	3.00	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (T.YB.Sc. Zoology)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5
Level5	2.5>3.0

		Program Outcome Atta	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainment
3.00	3.00	1.80	1.20	3.00	100

Head Department of Zoology R.C.Patel Arts, Com.& Sci.Colleg Shirpur, Dist. Dhule



Principal R. C. Patel Arts, Commerce and Science College, Shirpur

Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome 10=6+9	%CO Attainment
1	2	3	4	5	6	7	8	9		
SEM III	Zoo-301	C)Entomology I	100	3	1.8	100	3	1.2	3	100
	Zoo-AC 301	Seminar + Review Writing	100	3	1.8	100	3	1.2	3	100
	Zoo-302	Enzymology and Immunology	100	3	1.8	100	3	1.2	3	100
SLWI III	Zoo-303	Practical 1	100	3	1.8	100	3	1.2	3	100
	Zoo-304	Practical II	100	3	1.8	100	3	1.2	3	100
	Zoo-305	Forensic Zoology	100	3	1.8	100	3	1.2	3	100
	Zoo-401	Entomology II	100	3	1.8	100	3	1.2	3	100
	Zoo AC-401	Seminar + Review Writing	100	3	1.8	100	3	1.2	3	100
SEM IV	Zoo-402	Molecular Biology	100	3	1.8	100	3	1.2	3	100
	Zoo-403		100	3	1.8	100	3	1.2	3	100
	Zoo-404	Project	100	3	1.8	100	3	1.2	3	100
	Zoo-405	Writing & presenting scientific research paper	100	3	1.8	100	3	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2021-22 (M.Sc. Zoology)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment
Level1	0.5>1.0
Level2	1.0>1.5
Level3	1.5>2.0
Level4	2.0>2.5

		Program Outcome Atta	ainment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

Department of Zoology R.C.Patel Arts, Com.& Sci. College Shirpur, Dist.Dhule

OMMAN

Principal R. C. Patel Arts, Commerce and Science College,Shirpur

		Attain	ment of C	ourse Outco	ome					
Semester (Theory/ Practical)	Course Code	Course Title	% of Students Passed in External Exam	Level of Attainment	60% of Attainment Level in end term exam	% of Students Passed in Internal Exam	Level of Attainment	40% of Attainment Level in end term exam	Attainment of Course Outcome	%CO Attainmen
1	2	3	4	5	6	7	8	9	10=6+9	П
	Zoo-301	Entomology I	100	3	1.8	100	3	1.2	3	100
	Zoo-AC301	Seminar + Review Writing	100	3	1.8	100	3	1.2	3	100
	Zoo-302	Enzymology and Immunology	90	3	1.8	100	3	1.2	3	100
	Zoo-303	Practical 1	100	3	1.8	100	3	1.2	3	100
	Zoo-304	Practical II	100	3	1.8	100	3	1.2	3	100
SEM III	Z00-305	(B) Forensic Zoology	100	3	1.8	100	3	1.2	3	100
	· · · · · · · · · · · · · · · · · · ·		1000					10 10 1 I	1.00	100
	Zoo-AC-401	Seminar + Review Writing	100	3	1.8	100	3	1.2	3	100
	Zoo-402	Molecular Biology	78.57	3	1.8	100	3	1.2	3	100
	Zoo-403	Practical	100	3	1.8	100	3	1.2	3	100
	Zoo-404	Project	100	3	1.8	100	3	1.2	3	100
	Zoo-405	Writing & presenting scientific research paper	71.42	3	1.8	100	3	1.2	3	100

Calculation for Program Outcome Attainment for the Academic Year 2022-23 (MSc. Zoology)

Level1	<45% of students scoring more than average marks
Level2	45-60% of students scoring more than average marks
Level3	>60% of students scoring more than average marks

Program Outcome Level	Target Attainment		
Level1	0.5>1.0		
Level2	1.0>1.5		
Level3	1.5>2.0		
Level4	2.0>2.5		
Level5	2.5>3.0		

		Program Outcome Atta	inment		
Average Attainment by Direct Method	Average Attainment by Indirect Method	60% of Average Attainment by Direct Method	40% of Average Attainment by Indirect Method	Average PO Attainment	%PO Attainmen
3.00	3.00	1.80	1.20	3.00	100

-

Head Department of Zoology R.C.Patrl Arts, Com.& Sci. Colleg Shirpur, Dist. Dhule

R. C. Patel Arts, Commerce and Science College,Shirpur

. . .

.

	University Rank 2018-23							
	Department of History Examination Result 2018-19							
				Exal	imation Result 2018-19			
Sr.	Name	CGPA	%	University	Photo			
No.			Marks	Rank				
	Rathod Shubham Ravindra	9.63	81.92	1st				
					ent of Computer Application ation Result 2020-21(BCA)			
				L'Aqiiiiii(

1.	Gujar Harshada Chhotu	10		1st De Examin	epartment of Computer Application ation Result 2020-21(BMS E-Commerce)		
1.	Agrawal Naresh Manoj	9.85	98	1st			
	Department of Biotechnology Examination Result 2019-20(TY BSc)						

1.	Mahajan Sakshi Anil	9.6	89.61	1st	Department of Biotechnology
				Exa	amination Result 2022-23(TY BSc)
1.	Kokarde Yash Sunil	9.93		1st	<image/>
			1		Department of Biotechnology
				Ex	amination Result 2018-19(M. Sc.)

1.	Borse Chetan Nilkanth	9.8	80.80	1st Ex	Department of Chemistry amination Result 2021-22(M.Sc.)				
1.	Narendra Narendra								
				Ex	Department of Chemistry amination Result 2022-23(M.Sc.)				

1.	Patil Sagar Kantilal	10	89.07	1st D Exa	epartment of Computer Science mination Result 2018-19(TY BSc)			
1.	1. Patil Rahul 5.67 88.25% 1 st							
				Exa	epartment of Computer Science mination Result 2019-20 (TY BSc)			

1.	Sonwane Vaishali Sahebrao	5.97	91.26%	1st					
					epartment of Computer Science mination Result 2021-22(TY BSc)				
1.	Girase Pranjali Mahendrasing9.9793.76%1st								
	Department of Computer Science Examination Result 2018-19(M.Sc.)								

1.	Hajare Pooja Baban	9.91	92.63%	1st D Ey	epartment of Computer Science camination Result 2019-20(MSc)
1.	Borase Madhuri Ravindra	9.75	86.67%	1st	
				D Ez	epartment of Computer Science xamination Result 2022-23(MSc)

Jadhav Jagruti Rajendrasing9.9189.29		Department of Mathematics xamination Result 2021-22(MSc)
Pawar Yogita Devidas1097	1st	
		Department of Mathematics

				Ex	xamination Result 2022-23(MSc)			
1.	Khatik Mairajbi Khalil	9.9	89.50%	1st				
	Department of Microbiology Examination Result 2020-21(TY BSc)							

1.	Patil Janhavi Jagdish	9.8	89.61	1st	<image/> <section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>
				Fv	Department of Microbiology amination Result 2022-23(TY BSc)
					anniation Result 2022-23(11 DSC)
1.	Baviskar Chinmayi Yogesh	9.90	89.23	1st	
				E	Department of Microbiology xamination Result 2022-23(MSc)

1.	Patil Janhavi Jagdish	9.76	89.45	1st						
	Department of Microbiology									
	Examination Result 2018-19(MSc)									
1.	Khatik Riza Bano Mohiyoddin	9.1	83.55	1st	Department of Microbiolary					
]	Department of Microbiology Examination Result 2019-20 (MSc)					

1.	Mahatani Mona	9.3	86.75	1st	Hi-Media Lab. Pvt. Itd, Gold Medal (Don Tor, His Address of the probability of the proba					
	Department of Physics Examination Result 2018-19(MSc)									
			Γ							
1.	Mankani Mona Mukesh	10.00	96.57	1st						
		1	1		Department of Physics					
				E	xamination Result 2020-21(MSc)					

1.	Sonawane Priyanka Bhikaji	10.00	98.65	1st	Department of Physics							
				E	xamination Result 2021-22(MSc)							
1.	Sayyed Aarzoo Bano Sayyed Zakir	10.00	98.25	1st	Restanti di entre di							
				E	Department of Physics xamination Result 2022-23(MSc)							
			Examination Result 2022-23(MSc)									

1.	Marathe Bhagyashree Sakharam	10.00	93.70	1st	
----	------------------------------------	-------	-------	-----	--



pseatil,

PRINCIPAL R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist.-Dhule (M.S.) 425405

Topper Students of R. C. Patel ACS College Shirpur from 2018-19 To 2022-23						
Department of Marathi (UG) Examination Result 2018-19						
Sr. No.	Name	CGPA	% Marks	College Rank		
2.	Badgujar Vidya Bharat	9.30	78.30	1 st		
3.	Pawara Bhagshri Madan	8.70	74.52	2 nd		
4.	Pawara Asha Sukharam	7.60	62.40	3 rd		
		ment of Marathi (U(nation Result 2019-2				
1.	Deshmukh Rupali Mangalsing	8.88	75.45	1 st		
2.	Patle Aakash Rasha	8.71	74.56	2 nd		
3.	Chaudhari Amol Vijay	8.67	73.89	3 rd		
		ment of Marathi (U(nation Result 2020-2				
1.	Valvi Suman Baliji	9.34	78.60	1 st		
2.	Pawara Sapana Bansilal	9.03	75.24	2 nd		
3.	Pawara Yashwant Punamchand	8.83	71.52	3 rd		
		ment of Marathi (U(nation Result 2021-2				
1.	Pawara Mohan Debrya	8.35	78.30	1 st		
2.	Pawara Jatilal Sanjay	8.26	77.28	2 nd		
3.	Borase Chetan Gajanan	8.23	77.00	3 rd		
		ment of Marathi (U(nation Result 2022-2				
1.	Mali Kavita Bharat	9.01	77.15	1 st		
2.	Pawara Gopal Shripad	8.45	73.20	2 nd		
3.	Johari Shubhangi Mukeshsing	8.38	72.35	3 rd		
	-	tment of Hindi (UG nation Result 2018-1		•		
1.	Thorath Sagar Jitendra	9.05	72.23	1 st		

2		T		
2.	Pawara Dilwarsing Budha	8.06	70.50	2 nd
3.	Pawara Vishal Bhikala	7.96	68.15	3 rd
		rtment of Hindi (UG nation Result 2019-2		
1.	Girase Harpalsing Bharatsing	8.08	70.67	1 st
2.	Jadhav Jyoti Mamraj	8.04	67.29	2^{nd}
3.	Pawara Dasharath Shiva	7.96	65.54	3 rd
		rtment of Hindi (UG nation Result 2020-2		
1.	Jadhav Priyanka Jawansing	9.42	75.20	1 st
2.	Sonar Trupti Kashinath	9.42	75.20	2 nd
3.	Girase Ritabai Gorakhasing	9.25	75.00	3 rd
		rtment of Hindi (UG nation Result 2021-2		
1.	Nayak Shivani Govardhan	8.96	75.56	1 st
2.	Patil Rajeshwari Motiram	8.42	74.23	2^{nd}
3.	Shete Radhika Sanjay	7.97	68.12	3 rd
		rtment of Hindi (UG nation Result 2022-2		
1.	Koli Kajal Ravindra	9.01	78.14	1 st
2.	Savade Jayshree Ekanath	8.92	76.50	2 nd
3.	Pawara Yogesh Tikha	8.25	73.22	3 rd
		tment of English (UC ination Result 2018-1		
1.	Tejaswini N. Sonawane-	8.67	72.00	1 st
2.	Patil Kamini V.	8.58	71.42	2 nd

3.	Patil Shital K.	8.50	70.00	3 rd
		tment of English (UC		
		ination Result 2019-2		
1.	Chaudhari Mayur Santosh	9.00	74.96	1 st
2.	Rajput Punam Ajabsing	8.96	76.00	2^{nd}
3.	Pawara Anil Rajaram	8.96	74.21	3 rd
		tment of English (UC		
	Exam	ination Result 2020-2	21	
1.	Dabhade Kavita Ramsing	9.72	87.86	1 st
2.	Vasave Anjali Shankar	9.70	87.00	2^{nd}
3.	More Dipak Pandit	9.48	84.53	3 rd
		tment of English (UC		
		ination Result 2021-2		
1.	Koli Nikita Prakash	9.54	83.00	1 st
2.	Gaikwad Jyoti Ashok	9.37	80.00	2 nd
3.	Pawara Mangalsing Surmal	9.27	79.04	3 rd
		partment of English	· · ·	
	Exam	ination Result 2022-2	23	
1.	Pawara Balaji Sahebrao	9.83	84.00	1 st
2.	Jadhav Hemangi Udayji	9.51	83.25	2 nd
3.	Gujar Rohan Ramesh	9.36	80.94	3 rd
		tment of History (UC ination Result 2018-1		
1.	Rathod Shubham Ravindra	9.63	81.92	1 st
2.	Bhil Mangal Girdhar	9.46	80.21	2^{nd}

3.	Deore Tarun Dilip	9.17	76.25	3 rd
		tment of History (UC ination Result 2019-2		
1.	Pawara Manisha Battarsing	9.54	83.13	1 st
2.	Padvi Savitri Bhima	9.54	81.96	2^{nd}
3.	Chavan Harshdeep Sanjay	9.29	81.17	3 rd
		tment of History (UC ination Result 2020-2		
1.	Pawara Ravina Bhaya	9.51	83.25	1 st
2.	Banjara Aakash Gajesing	9.41	80.00	2 nd
3.	Thakare Rakesh Madhavrao	9.35	79.00	3 rd
		tment of History (UC ination Result 2021-2		
1.	Pawar Gautam Arjun	9.55	81.15	1 st
2.	Thorat Komal Kailas	9.46	81.54	2 nd
3.	Pawara Nikita Arjun	9.53	81.15	3 rd
		tment of History (UC ination Result 2022-2		
1.	Lidiya Bharat Gopi	9.32	80.03	1 st
2.	Pawara Yogesh Motiram	9.33	79.42	2 nd
3.	Pawara Rameshwar Gandya	9.21	79.04	3 rd
		nent of Geography (U ination Result 2018-1		
1.	Walunjakar Ashok Vasant	8.75	72.42	1 st
2.	Pawara Ranjita Kabala	8.22	71.23	2 nd

3.	Pawara Arjun Farangya	7.40	70.38	
3.	i awara Arjun i arangya	7.40	70.50	3 rd
		nent of Geography (U ination Result 2019-2		
1.	Momin Sanner Shaik Samad	8.71	74.96	1 st
2.	Pawara Rayaka Sakharam	8.71	72.42	2 nd
3.	Pawara Nansing Saheja	7.32	70.30	3 rd
		nent of Geography (U ination Result 2020-2		
1.	More Anjali Gulab	9.97	92.47	1^{st}
2.	Mali Mrudula Narayan	9.65	87.00	2 nd
3.	Marathe Navanath Rajdhar	8.81	79.80	3 rd
		nent of Geography (U ination Result 2021-2		
1.	Koli Pravin Raghunath	9.19	79.25	1 st
2.	Vasave Anwar Soma	9.01	75.44	2 nd
3.	Baisane Tushar Sanjay	8.70	70.30	3 rd
		nent of Geography (U ination Result 2022-2		
1.	Pawar Gajanan Motilal	9.52	81.88	1 st
2.	Bhil Shubham Vasudev	9.31	80.33	2 nd
3.	Teli Muskan Hajikadar	8.27	68.10	3 rd
		f Computer Application Result 2018-1		
1.	Dhangar Darshana Bhaskar	6.00	88.00	1 st
2.	Patil Ashwini Bhatu	6.00	84.57	2 nd

3.	Borase Gayatri Dilip	6.00	84.43	3 rd
		f Computer Applica		
		nation Result 2019-2	20	
1.	Pawar Damini Sahebrao	10	88.68	1 st
2.	Birari Dhananjay Pandarinath	10	86.46	2^{nd}
3.	Patil Durvesh Rajendra	10	83.96	3 rd
		f Computer Applica nation Result 2020-2		
1.	Gujar Harshada Chhotu	10	92.76	1 st
2.	Koli Ashwini Ashok	10	92.00	2 nd
3.	Borse Hemant Omkar	9.81	91.00	3 rd
		f Computer Applica nation Result 2021-2		
1.	Magade Shubham Yuvraj	9.95	94.88	1 st
2.	Mali Vishal Ravindra	9.95	90.69	2 nd
3.	Patil Shreya Pramod	9.90	93.55	3 rd
		f Computer Applica nation Result 2022-2		
1.	Bhoi Ganesh Sakharam	9.83	89.10	1 st
2.	Gavit Amruta Gangadhar	9.76	88.64	2 nd
3.	Mali Nilesh Eknath	9.69	86.93	3 rd
		Computer Manager nation Result 2018-		
1.	Sayyed Uwezali Wajidali	9.43	94.30	1 st
2.	Gujarathi Yash Sanjay	9.20	92.00	2 nd
3.	Mahajan Pawan Govinda	8.85	88.50	3 rd
		Computer Manager nation Result 2019-2		

1.	Marathe Jayesh Sadashiv	9.90	99.00	1 st
2.	Upasani Twinkle Virendra	9.50	95.00	2^{nd}
3.	Sisodiya Abhishek Manojsing	8.90	89.00	3 rd
		Computer Manager		
1.	Agrawal Naresh Manoj	9.85	98.00	1 st
2.	Manyar Aakeef Ashpak	9.00	90.00	2 nd
3.	Pawara Yashoda Bahattarsing	8.80	88.00	3 rd
		Computer Manager ation Result 2021-20		
1.	Sonawane Pradip Pundlik	9.50	95.00	1 st
2.	Koli Jivan Balwant	8.85	88.00	2 nd
3.	Patil Shivaji Nimba	8.50	85.00	3 rd
		Computer Manager nation Result 2022-2		
1.	Chaudhari Jayesh Devidas	9.75	97.00	1 st
2.	Pawara Anita Suresh	9.00	90.00	2 nd
3.	Pawara Bhagyashri Jagan	8.50	85.00	3 rd
		nent of Commerce (Unation Result 2018-		
1.	Borse Varsha	8.9	77.62	1 st
2.	Osawal Chetan Kumar	8.5	75.95	2 nd
3.	Jain Armika	8.00	74.00	3 rd
		nent of Commerce (Unation Result 2019-2		

1.	Makawana Vishal H.	9.20	78.00	1 st
2.	Sawant Harshada	9.00	77.50	2^{nd}
3.	Pawar Sweta	8.45	75.00	3 rd
		nent of Commerce (U		
1.	Maheshwari Aakansha Mukesh	nation Result 2020-2 9.10	76.25	1 st
2.	Dorik Harshal Rajendra	8.20	76.00	2 nd
3.	Sonawanw Samadhan Dilip	8.20	71.00	3 rd
		ient of Commerce (United to the second secon		
1.	Jain Kunal Laxmikant	9.45	79.25	1 st
2.	Bhavsar Mansi Yogesh	9.19	78.00	2 nd
3.	Jain Payal Hiralal	9.4	73.00	3 rd
		nent of Commerce (United to the second se		
1.	Bhonge Anushka Shirkant	8.40	76.62	1 st
2.	Mishra Anuradha Narendra	8.01	74.95	2 nd
3.	Jadhav Minal Mahendraasing	8.00	72.04	3 rd
		nent of Commerce (I nation Result 2018-1		
1.	Patil Urvashi Dipak	9.10	76.25	1 st
2.	Sisodiya Harshada B.	8.20	76.00	2 nd
3.	Borse Jagruti	8.20	71.00	3 rd
		nent of Commerce (1 nation Result 2019-2		

1.	Osawal Chetan Kumar	9.20	77.62	1 st
2.	Borse Varsha	8.51	75.95	2 nd
3.	Jain Armika	8.00	74.04	3 rd
		ment of Commerce (I ination Result 2020-2		
1.	Gujarathi Dakshata .	8.40	76.62	1 st
2.	Gujarathi Tejal G.	8.01	74.95	2 nd
3.	Girase Rajnandini	8.00	72.04	3 rd
		ment of Commerce (I ination Result 2021-2		
1.	Makwana Vishalkumar H.	9.63	79.50	1 st
2.	Rajput Shubhangi P.	9.31	77.00	2 nd
3.	Thorat Neha S.	9.25	76.50	3 rd
		ment of Commerce (I ination Result 2022-2		
1.	Pawar Nandini Subhash	9.19	55.75	1 st
2.	Maheshwari Akansha	8.01	58.31	2^{nd}
3.	Sonawane Samadhan	8.00	51.75	3 rd
		ent of Biotechnology ination Result 2018-1		
1.	Sonawane Yogini Pandit	8.90	79.03	1 st
2.	Deshmukh Parth Jitendra	8.60	74.53	2 nd
3.	Dhangar Akshay Parashuram	8.40	72.14	3 rd
		ent of Biotechnology ination Result 2019-2		

1.	Mahajan Sakshi Anil	9.60	89.61	1 st
2.	Tare Rishiraj Ashish	9.60	88.11	2 nd
3.	Bhadane Raksha Sanjay	9.40	77.89	3 rd
		ent of Biotechnology		
	Exam	ination Result 2020-2	21	
1.	Chopde Vedant Sunil	9.70	89.61	1 st
2.	Ishi Neha Sudam	9.50	88.11	2^{nd}
3.	Patel Miral Rajesh	9.20	77.89	3 rd
		ent of Biotechnology ination Result 2021-2		
1.	Keshrwani Jyoti Dayashankar	9.17	81.45	1 st
2.	Rajput Karansing Premsing	9.05	80.48	2^{nd}
3.	Thakare Shubhangi Anil	8.94	79.15	3 rd
		ent of Biotechnology ination Result 2022-2		
1.	Kokarde Yash Sunil	9.93	91.34	1 st
2.	Patil Sonam Ganesh	9.77	89.21	2^{nd}
3.	Deore Jayesh	9.17	88.31	3 rd
		ent of Biotechnology ination Result 2018-1		
1.	Borse Chetan Nilkanth	9.80	80.80	1 st
2.	Patil Karishma Yashwant	8.60	69.40	2^{nd}
3.	Sonar Aditi Rajendra	8.30	66.65	3 rd
		ent of Biotechnology ination Result 2019-2		
1.	Vasave Simran Yogesh	8.60	82.55	1 st

2.	Bagad Amruta Dilip	8.20	80.55	2 nd
3.	Patil Jyotsna Rajendra	8.00	78.70	3 rd
		ent of Biotechnology ination Result 2020-2		
1.	Sonawane Yogini Pandit	9.40	87.64	1 st
2.	Joshi Mansi Rajendra	9.20	86.89	2 nd
3.	Pandit Aishwarya Tushar	9.10	85.12	3 rd
		ent of Biotechnology ination Result 2021-2		
1.	Bhairav Unnati Sunil	9.90	87.50	1 st
2.	Patil Jay Eknath	9.85	87.35	2 nd
3.	Sonawane Nandini Ravindra	9.80	86.90	3 rd
		ent of Biotechnology ination Result 2022-2		
1.	Girase Dipali Ankush	9.25	88.35	1 st
2.	Bornare Ketan S.	9.09	86.24	2 nd
3.	Pawar Mahesh	9.00	85.23	3 rd
		tment of Botany (U0 ination Result 2018-		
1.	Wagh Hemant Anandrao	5.13	74.11	1 st
2.	Pawar Kajal Mukesh	4.92	73.20	2 nd
3.	Dhangar Sonali Hilal	5.11	72.95	3 rd
		tment of Botany (U0 ination Result 2019-2		
1.	Shewale Prajakta Bhatu	5.72	84.95	1 st

2.	Marathe Swapnali Nitendra	5.84	84.58	2 nd
3.	Sonawane Dipmala Pundlik	5.44	80.16	3 rd
		rtment of Botany (UC ination Result 2020-20		
1.	Patil Riken Kantilal	9.87	91.60	1 st
2.	Patel Yamini Chandrakant	9.54	85.33	2 nd
3.	Chavhan Mayur Dhanraj	9.37	82.05	3 rd
		rtment of Botany (UC ination Result 2021-20		
1.	Rajput Pallavi Ambalal	7.78	66.38	1st
		rtment of Botany (UC ination Result 2022-20		
1.	Girase Darshana	9.65	85.00	1 st
2.	Rajput Neha Jitendra	9.72	84.76	2 nd
3.	Khairnar Gaurav Vinay	9.51	82.58	3 rd
		artment of Botany (PG tion Result 2021-22 Se		
1.	Marathe Kalyani Vikas	10	92.35	1 st
2.	Nikam Jayshree	9.90	92.25	2 nd
3.	Rajput Kalyani Ranjit	9.90	91.20	3 rd
		ntment of Botany (PG tion Result 2022-23 Se		
1.	Solanki Priti Jagan	9.95	89.75	1 st
2.	Kadi Madhura Rajendra	9.95	89.04	2 nd
3.	Patil Riken Kantilal	9.80	85.65	3 rd
	Depart	tment of Chemistry (U	JG)	

Examir Tumavat Manoj Mukesh fishra Neha Narendra orse Prasad Ramkrishna Departm	6.00 5.97 5.83 ent of Chemistry (U nation Result 2019-2 8.88 8.85 8.85 8.55 ent of Chemistry (U nation Result 2020-2 9.93	20 88.80 88.50 85.53 JG) 21	1 st 2 nd 3 rd 1 st 2 nd 3 rd
orse Prasad Ramkrishna Departm Examir Lumavat Manoj Mukesh fishra Neha Narendra orse Prasad Ramkrishna Departm Examir	5.83 ent of Chemistry (U nation Result 2019-2 8.88 8.85 8.55 ent of Chemistry (U nation Result 2020-2	82.44 JG) 20 88.80 88.50 85.53 JG) 21	3rd 1 st 2 nd
Departm Examir Iumavat Manoj Mukesh Iishra Neha Narendra orse Prasad Ramkrishna Departm Examir	ent of Chemistry (U nation Result 2019-2 8.88 8.85 8.55 ent of Chemistry (U nation Result 2020-2	JG) 20 88.80 88.50 85.53 JG) 21	1 st 2 nd
Examir Tumavat Manoj Mukesh fishra Neha Narendra orse Prasad Ramkrishna Departm Examir	aation Result 2019-2 8.88 8.85 8.55 ent of Chemistry (Unation Result 2020-2	20 88.80 88.50 85.53 JG) 21	2 nd
umavat Manoj Mukesh Iishra Neha Narendra orse Prasad Ramkrishna Departm Examir	8.88 8.85 8.55 ent of Chemistry (U nation Result 2020-2	88.80 88.50 85.53 JG) 21	2 nd
orse Prasad Ramkrishna Departm Examir	8.55 ent of Chemistry (U nation Result 2020-2	85.53 JG) 21	_
Departm Examir	ent of Chemistry (Unation Result 2020-2	JG) 21	3 rd
Examir	nation Result 2020-2	21	
		91.85	1 st
atel Siddhi Rajesh	9.89	90.20	2 nd
atil Harshada Sunil	9.68	88.50	3 rd
	10	72.50	1 st
ajput Sarika Chandrasing	10	94.10	2^{nd}
ajput Yogita Ranjatsing	10	93.10	3 rd
	9.94	90.09	1 st
atil Jay Subhash	9.85	87.97	2 nd
ari Yogita Aant	9.63	85.40	3 rd
	Examir Chaudhari Sunaina Ramukrishna1 Cajput Sarika Chandrasing Cajput Yogita Ranjatsing Departm Examir Iarhdip Bhagvan Devore Catil Jay Subhash Cari Yogita Aant Departm	ratil Harshada Sunil 9.68 Department of Chemistry (U Examination Result 2021-2 Chaudhari Sunaina Ramukrishna1 10 Chaudhari Sunaina Ramukrishna1 10 <td>Jatil Harshada Sunil9.6888.50Department of Chemistry (UG) Examination Result 2021-22Chaudhari Sunaina Ramukrishna11092.36Chaudhari Sunaina Ramukrishna11093.10Chaughari Sarika Chandrasing1093.10Chaughari Yogita Ranjatsing1093.10Department of Chemistry (UG) Examination Result 2022-23Iarhdip Bhagvan Devore9.9490.09Catil Jay Subhash9.8587.97</td>	Jatil Harshada Sunil9.6888.50Department of Chemistry (UG) Examination Result 2021-22Chaudhari Sunaina Ramukrishna11092.36Chaudhari Sunaina Ramukrishna11093.10Chaughari Sarika Chandrasing1093.10Chaughari Yogita Ranjatsing1093.10Department of Chemistry (UG) Examination Result 2022-23Iarhdip Bhagvan Devore9.9490.09Catil Jay Subhash9.8587.97

1.	Pawar Jayashree Kishor	9.83	85.67	1 st
2.	Salve Arati Ramchandra	9.67	84.67	2^{nd}
3.	Nagargoje Hanumant Shamrao	9.67	84.17	3 rd
		ent of Chemistry (I ation Result 2019-2		
1.	Patil Mruganayni Mukesh	8.43	84.30	1 st
2.	Bhavsar Kalpesh Narayan	8.25	82.50	2^{nd}
3.	Bhamre Nisha Bhagwan	7.79	77.95	3 rd
		ent Of Chemistry (ation Result 2020-2		
1.	Patil Pravin Shatrughan	9.40	89.5	1^{st}
2.	Rajput Mahendrasing Umedsing	9.10	85.40	2 nd
3.	Patil Mrunal A.	8.84	81.60	3 rd
		ent of Chemistry (l ation Result 2021-2		
1.	Neha Narendra Mishra	9.4	94.07	1 st
2.	Rushikesh Rajendra Patil	9.2	92.20	2 nd
3.	Premkumar Supdu Koli	9.0	90.55	3 rd
		ent of Chemistry (I ation Result 2022-2		
1.	Patil Sagar Kantilal	10	89.07	1 st
2.	Patil Dinesh Sanjay	9.67	8701	2 nd
3.	Gavhal Jayesh Suklal	9.74	85.90	3 rd
		of Computer Sciend ation Result 2018-2		

1.	Patil Rahul Kailas	5.67	88.25	1 st
2.	Rajput Pooja Ravindra	5.34	85.00	2^{nd}
3.	Patil Vishal Narhar	5.10	81.23	3 rd
		t of Computer Scien ination Result 2019-		
1.	Sonwane Vaishali Sahebrao	5.97	91.26	1 st
2.	Gudur Kavya	5.67	87.23	2^{nd}
3.	Landage Vaibhav	5.23	85.60	3 rd
		t of Computer Scien ination Result 2020-		
1.	Jadhav Jagruti Rajendrasing	9.91	91.63	1 st
2.	Nikum Shubham Manoj	9.83	89.70	2^{nd}
3.	Saner Ashvini Dyaneshwar	9.83	89.13	3 rd
4		ination Result 2021-		
1.	Girase Pranjali Mahendrasing	9.97	93.76	1^{st}
2.	Jadhav Neha Himmatsing	9.95	91.18	2^{nd}
3.	Patil Bhushan Arun	9.63	87.13	3 rd
		t of Computer Scien ination Result 2022-		
1.	Mahajan Gunjan Chandrakant	9.95	92.82	1 st
2.	Koli Nikita Suresh	9.81	83.60	2^{nd}
3.	Nikam Ekata Manohar	9.27	89.13	3 rd
		t of Computer Scien ination Result 2018-		
1.	Hajare Pooja Baban	9.91	92.63	1 st
2.	Sonawane Harshada	9.83	88.70	2^{nd}
3.	Girase Vaishali S.	9.27	84.13	3 rd
		t of Computer Scien		

	Exami	ination Result 2019-	20	
1.	Bhorase Madhuri Ravindra	9.75	86.67	1 st
2.	Patil Harshada Ashok	9.71	85.96	2 nd
3.	Patil Mahima Gulabrao	9.67	85.50	3 rd
		t of Computer Scien		
		ination Result 2020-		
1.	Rajput Pooja Ravindra	9.78	93.89	1^{st}
2.	Bhamare Priyanka Daulat	9.45	83.45	2^{nd}
3.	Patil Ruchita Yuvraj	9.33	82.17	3 rd
		t of Computer Scien		
1	Patil Rahul Kailas	ination Result 2021-		
1.		9.91	91.63	1 st
2.	Patil Dhanashri Ravindra	9.83	89.70	2^{nd}
3.	Patil Ruchika Kishor	9.83	89.13	3 rd
		t of Computer Scien ination Result 2022-		
1.	Jadhav Jagruti Rajendrasing	9.91	89.29	1 st
2.	Thakare Chetana Hiraman	9.60	83.71	2 nd
3.	Pawara Lakshmi Ambalal	9.47	81.58	2 rd
5.				314
		ent of Mathematics ination Result 2018-		
1.	Patil Gayatri Bhimrao	5.90	89.65	1 st
2.	Rajput Kajal Kevalsing	5.85	86.45	2 nd
3.	Salunkhe Pradnya Dhananjay	5.55	82.20	3 rd
		ent of Mathematics		
		ination Result 2019-		
1.	Pawar Yogita Devidas	6.00	93.66	1 st
2.	Mali Bhumika Devidas	6.00	92.50	2 nd

3.	Pawar Dhanashri Vilas	5.95	88.26	3 rd
	Departn	nent of Mathematics ((UG)	
	Exam	ination Result 2020-2	21	
1.	Patil Snehal Shailesh	9.96	93.13	1 st
2.	Girase Apeksha	9.89	91.20	2 nd
3.	Mali Divesh	9.85	90.75	3 rd
		nent of Mathematics (
		ination Result 2021-2		
1.	Suryawanshi Pravin Kiran	9.88	90.18	1 st
2.	Wasnik Janhavi Dinesh	9.81	89.32	2^{nd}
3.	Wadile Shital Kantilal	9.82	88.85	3 rd
		nent of Mathematics (
		ination Result 2022-2		
1.	Rajput Rakhi Rajendra	9.9	91.45	1^{st}
2.	Patil Shreya Vipin	9.94	91.21	2 nd
3.	Sonawane Chetana Nitin	9.9	91.15	3 rd
	Departn	nent of Mathematics	(PG)	
	Exam	ination Result 2018-1	19	
1.	Patil Ashwini Rajendra	A+	71.35	1^{st}
2.	Borase Harshali Prabhakar	А	68.75	2 nd
3.	Shikh Iqra Praveen A H	А	66.00	3 rd
		nent of Mathematics		
	Exam	ination Result 2019-2	20	
1.	Yeshirao Harshada Sanjay	9.40	84.50	1 st
2.	Patil Harshada Virendrasing	9.05	79.90	2 nd

3.	Dhangar Nikita Uday	9.30	79.20	3 rd
		ment of Mathematics (nination Result 2020-2		
1.	Waghmode Dilip T.	9.60	87.62	1 st
2.	Sayyad Sana	9.40	85.79	2 nd
3.	Patil Prajakta	9.35	85.34	3 rd
		ment of Mathematics (nination Result 2021-2		
1.	Pawar Yogita Devidas	10	97.00	1 st
				1
2.	Mali Bhumika Devanand	9.95	95.85	2^{nd}
3.	Pawar Dhanashri Vilas	9.85	93.00	3 rd
		ment of Mathematics (
		nination Result 2022-2		
1.	Khatik Mairajbi Khalil	9.9	89.50	1 st
2.	Pawar Nikita Narendra	9.75	85.40	2 nd
3.	Bhadanne Anjali Bhikan	9.5	82.80	3 rd
	Departr	nent of Microbiology ((UG)	
	Exar	nination Result 2018-1	19	
1.	Ingale Krupa Nitin	9.3	86.69	1 st
2.	Ishi Bhagyashri Digambar	9.0	78.84	2 nd
3.	Patel Runali Chotubhai	8.9	78.48	3 rd
		nent of Microbiology (nination Result 2019-2		
1.	Sonawane Ashwini Rajendra	9.73	87.63	1 st
2.	Raheja Leena Mahesh	9.59	86.39	2 nd

3.	Wagh Megha Udesh	9.26	83.34	3 rd
		ent of Microbiology ination Result 2020-2		
1.	Patil Janhavi Jagdish	9.8	89.61	1 st
2.	Sonawane Sneha Dilip	9.7	88.11	2^{nd}
3.	Patil Jayashree Gulabrao	9.2	77.89	3 rd
		tment of Microbiolog ination Result 2021-2		
1.	Jagdale Payal Sunil	9.8	89.53	1 st
2.	Jaiswal Ankita Sanjulal	9.6	88.00	2 nd
3.	Rajput Vaishnavi Mansing	9.5	85.82	3 rd
		ent of Microbiology (ination Result 2022-2		
1.	Baviskar Chinmayi Yogesh	9.90	89.23	1 st
2.	Patil Chaitali Pralhad	9.82	87.30	2 nd
3.	Patil Hetal Suresh	9.75	86.25	3 rd
		ent of Microbiology ination Result 2018-1		
1.	Khatik Riza Bano Mohiyoddin	9.1	83.55	1 st
2.	Kulkarni Monika Keshav	8.6	78.20	2 nd
3.	Pawar Shubham Somnath	8.4	76.45	3 rd
		ent of Microbiology ination Result 2019-2		
1.	Kapade Priyanka Rajendra	9.71	83.40	1 st
2.	Pachabhai Pratik Sanjay	9.68	83.10	2 nd
3.	Gawale Darshana Rohidas	9.62	82.50	3 rd

		of Microbiology ion Result 2020-2		
1.	Jadhav Manjusha Sanjay	9.2	85.55	1 st
2.	Patil Jagruti Gopal	8.9	84.20	2 nd
3.	Patil Nikita Jagdish	8.6	80.45	3 rd
		of Microbiology ion Result 2021-2		
1.	Sonawane Ashwini Rajendra	<u>9.8</u>	85.22	1 st
2.	Wagh Megha Udesh	9.65	83.60	2^{nd}
3.	Chaudhari Tejas Babulal	9.50	80.80	3 rd
		of Microbiology ion Result 2022-2		
1.	Patil Janhavi Jagdish	9.76	89.45	1 st
2.	Patil Jayashree Gulabrao	9.54	88.71	2^{nd}
3.	Sonawane Sneha Dilip	9.23	87.21	3 rd
		ent of Physics (U ion Result 2018-		
1.	Pawar Namrata Sanjay	9.40	89.80	1st
		ent of Physics (U ion Result 2019-2		
1.	Sayyed Aarzoo Bano Sayyed Zakir	9.60	93.35	1 st
2.	Sonawane Nisha Dhanraj	9.12	91.27	2 nd
3.	Bhavsar Sayali Anil	8.90	87.62	3 rd
		ent of Physics (U0 ion Result 2020-2		
1.	Chaudhari Neha Rajendra	<u>9.96</u>	94.28	1 st

2.	Borase Umeshwari Bhausaheb	9.96	93.20	2nd
3.		9.80	88.78	2 3 rd
5.	Rajput Karina Chhatrapal	9.80 ment of Physics (UG		5
		nation Result 2021-2		
1.	Tele Asmita Arun	9.5	92.79	1 st
2.	Rajput Jyoti Kevalsing	9.45	88.35	2^{nd}
3.	Patil Pratik Atul	9.45	86.61	3 rd
		ment of Physics (UG nation Result 2022-2		
1.	Shaikh Asmakaosar Kalimoddin	9.96	90.86	1 st
2.	Teli Mariyam Shaikh Ayyub	9.92	89.83	2^{nd}
3.	Marathe Maheshwari Rajendra	9.81	88.97	3 rd
		tment of Physics (PG nation Result 2018-1		
1.	Mankani Mona Mukesh	10.00	96.57	1 st
2.	Kasar Vrushali Bhanudas	9.80	93.21	2 nd
3.	Shaikh Nida Raees	9.46	87.43	3 rd
		tment of Physics (PG		
		nation Result 2019-2		
1.	Upadhyay Shweta Rameshwar	9.50	90.83	1^{st}
2.	Patil Milind	8.80	83.51	2 nd
3.	Kadam Divyabharati B	8.60	80.5	3 rd
		tment of Physics (PG nation Result 2020-2		
1.	Sonawane Priyanka Bhikaji	10.00	98.65	1 st
2.	Sonar Lokesh Dagadu	10.00	96.20	2^{nd}
3.	Pardeshi Bhagyashri Bhagwan	10.00	96.10	3 rd

		ent of Physics (PC tion Result 2021-2		
1.	Sayyed Aarzoo Bano Sayyed Zakir	10.00	98.25	1 st
2.	Bhadane Bhumika Bhika	10.00	95.30	2 nd
3.	Bhavsar Sayali Anil	10.00	95.20	3 rd
		ent of Physics (PC tion Result 2022-2		
1.	Marathe Bhagyashree Sakharam	10.00	93.70	1 st
2.	Badgujar Manjusha Sunil	10.00	93.05	2 nd
3.	Jaware Goral Yogesh	9.80	89.70	3 rd
		ent of Zoology (U0 tion Result 2018-1		
1.	Wagh Archana Manohar	91.53	96.00	1 st
2.	Khairnar Renuka Rajendra	86.33	93.00	2^{nd}
3.	Mansuri Muskan Mehmud	78.47	91.00	3 rd
		ent of Zoology (U(ation Result 2019-		
1.	Mahajan Kalyani Arun	5.84	83.00	1 st
2.	Wadile Sharlita Sharadchandra	5.00	79.00	2 nd
3.	Sonawane Shital Naval	4.07	75.00	3 rd
		nt of Zoology (UG on Result 2020-21		
1.	Jamadar Nilam Shivaji	6.68	78.80	1 st
2.	More Mayuri Bhikanrao	8.63	74.25	2^{nd}
3.	Banjara Kajal Premsing	8.01	70.01	3 rd
		ent of Zoology (U0 tion Result 2021-2		
1.	Shaikh Almas Farooque	9.05	87.30	1 st

2.	Gavali Darshana Ramesh	9.01	79.59	2^{nd}
3.	Kapure Darshan Santosh	8.94	76.83	3 rd
		tment of Zoology (U0 ination Result 2022-2		
1.	Chainani Roshani Ganeshkumar	9.95	85.98	1 st
2.	Jagdeo Sonali Ananda	9.40	81.70	2 nd
3.	Rajput Nikita Vishwas	8.92	75.68	3 rd
	-	tment of Zoology (PC ination Result 2021-2	-	
1.	Mahajan Kalyani Arun	10	94.70	1 st
2.	Wadile Sharlita Sharad	9.90	92.10	2 nd
3.	Mali Mansi Subhash	9.85	90.00	3 rd
		tment of Zoology (PC ination Result 2022-2		
1.	Gavit Dipali Vasant	9.80	82.30	1^{st}
2.	Jamadar Nilam Shivaji	9.45	81.50	2 nd
3.	Vasave Yahoshva Subhash	9.30	81.10	3 rd



Beatil

PRINCIPAL R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist.-Dhule (M.S.) 425405