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॥ प्रज्वलितो ज्ञानमय प्रदीपः ॥

UGC (2F & 12B) Dt. 16-8-2011
Perm. Aff. No. SU/AFFI/T-2/UMK/4818 Dt. 15-7-2010



Shri. Shahu Shikshan Prasarak Seva Mandal, Peth Vadgaon's

SHRI. VIJAYSINHA YADAV COLLEGE

PETH VADGAON

Tal. Hatkanangale Dist. Kolhapur (Maharashtra) 416 112 ☎ (0230) 2471599

Affiliated to Shivaji University, Kolhapur



NAAC Accredited - 'B++' (2.83)
Aug. 2016

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**2.6.2 - Attainment of Programme outcomes
and course outcomes are evaluated by the
institution.**

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The College has prepared the method of measuring program outcomes and course outcomes that eventually upgrade the academic quality of the College and graduate outcomes. The learning outcomes attainment is calculated by using the direct and indirect method. In direct method, students' performance in university examinations and internal examinations is one of the major parameters of outcome assessment while in indirect method, data of students' progression and placements are taken.

The course outcomes of all the courses at the final year are mapped with Program outcomes to obtain the attributes of UGC

CO Assessment Process:

1. Relevance of process and tools with theory subject.
2. For each subject some CO's designed and are mapped with program outcomes and Programme Specific Outcomes

Table - Following tools are used for Assessment process

Sr. No.	Direct method	Method Description
1.	External Semester end Examination	Marks obtained in external semester end examination (theory) are the basis for external assessment to record the attainment of course outcomes.
2.	Internal assessment Test	Marks in a theory paper are based on tests. Average of the better marks obtained from these tests shall contribute to the internal assessment marks for the relevant subject.
	Indirect method	
1.	Student Progression	Higher progression data of students is collected
2.	Placements	Placement data is collected from the office.

Shri Vijaysinha Yadav Arts and Science College, Pethvadgaon
Department of Physics

Attainment of Course Outcomes (COs)

Criteria

Attainment level	% of students scoring $\geq 60\%$ marks	
	External Theory Exam	Internal Theory Exam
I	< 45%	> 60%
II	45-60%	60-80%
III	> 60%	>80%

Weightage of Attainments

Attainment of Course = 80% of (Attainment level in university examination)
+ 20% of (Attainment level in continuous internal evaluation CIE)

Assessment-CO and PO matrix is prepared for each course.

The attainment level for program outcomes (POs) is defined as follows:

Program outcome Level	Target Attainment
Level 1	0.5 > 1.0
Level 2	1.0 > 1.5
Level 3	1.5 > 2.0
Level 4	2.0 > 2.5
Level 5	2.5 > 3.0

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SHRI VIJAYSINHA YADAV COLLEGE, PETHVADGAON

ATTAINMENT AND MAPPING

DEPARTMENT OF MATHEMATICS

2023-2024

Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution.

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Attainment levels:

For University Exam

Level 1	below 45 % Students scoring more than 60% marks
Level 2	45-60 % Students scoring more than 60% marks
Level 3	$\geq 60\%$ Students scoring more than 60% marks

For Internal Exam

Level 1	below 60 % Students scoring more than 60% marks
Level 2	60-80 % Students scoring more than 60% marks
Level 3	above 80% Students scoring more than 60% marks

Program outcome Level	Target Attainment (Exclusive Method)
Level 1	0.5- 1.0
Level 2	1.0 - 1.5
Level 3	1.5 -2.0
Level 4	2.0- 2.5
Level 5	2.5 -3.0

Sr. NO.

Department of Mathematics
Calculation for Program Outcome Attainment for the Year 2023-24 (B. Sc. III Mathematics)

Attainment of course outcome

Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in endterm exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course (I+II)
Semester V (Theory)	Paper-IX	Mathematical Analysis	17	1	0.4	100	3	0.6	1
	Paper-X	Abstract Algebra	92	3	2.4	100	3	0.6	3
	Paper-XI	Optimization Techniques	83	3	2.4	100	3	0.6	3
	Paper-XII	Integral Transforms	100	3	2.4	100	3	0.6	3
Semester VI (Theory)	Paper-XIII	Metric Spaces	83	3	2.4	100	3	0.6	3
	Paper-XIV	Linear Algebra	100	3	2.4	100	3	0.6	3
	Paper-XV	Complex Analysis	75	3	2.4	100	3	0.6	3
	Paper-XVI	Discrete Mathematics	100	3	2.4	100	3	0.6	3
									Total
								Average	2.75

N.S.S. Registration
 B.Sc.I : 2024 - 25

MAPPING

Rubrics developed to validate POs for some Programmes

Correlation level 1, 2 and 3 are defined as follows:

1. Slight (Low)
2. Moderate (Medium)
3. Substantial (High)

Assessment Tools:

Program Outcomes	Courses considered	Method of Assessment	Source of data collection
PO 1-PO 10	For each PO, the contributing course is obtained from CO to PO mapping	<ol style="list-style-type: none">1) Direct Assessment Internal evaluation<ul style="list-style-type: none">• Unit Tests• Assignments2) External Evaluation University Exam	Result file and University Ledger

Mapping Factor (Correlation Level):

It indicates to what extent ascertain component (either assessment method to CO or CO to PO or CO to PSO)

- 3: Indicates Substantial (high) mapping (high contribution towards attainment)
- 2: Indicates Moderate (medium) mapping (medium contribution towards attainment)
- 1: Indicates Slight (low) mapping (some contribution towards attainment)

Calculation for Program Outcome Attainment for the Year 2023-24 (B. Sc. III Maths)

Step 1] CO's are mapped with CIE (Continuous Internal evaluation) marks as follows

Paper IX: Mathematical Analysis

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper X: Abstract Algebra

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XI: Optimization Techniques

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XII: Integral Transforms

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XIII: Metric Spaces

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XIV: Linear Algebra

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XV: Complex Analysis

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XVI: Discrete Mathematics

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Step 2] COs are mapped with POs. The CO levels corresponding to each PO are averaged to obtain overall CO level for each PO

Mathematics

1]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	3	3			3	3		3	3		3	3		
CO 2	3	3			3	3		3	3		3	3		
CO 3	3	3			3	3			3		3	3		
CO 4	3	3			3	3			3		3	3		
Paper IX	3	3		-	3	3	-	3	3	-	3	3	-	-

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	3	3				3			3			3		
CO 2	3	3				3			3			3		
CO 3	3	3				3			3			3		
CO 4	3	3				3			3			3		
Paper X	3	3		-	-	3	-	-	3	-		3	-	-

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	3	3		3		3			3			3		
CO 2	3	3		3		3			3			3		
CO 3	3	3		3		3			3			3		
CO 4	3	3		3		3			3			3		
Paper XI	3	3		3	-	3	-	-	3	-		3	-	-

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	3	3		3			3		3				3	3
CO 2	3	3		3		3	3		3				3	3
CO 3	3	3		3		3	3		3				3	3
CO 4	3	3		3			3		3				3	3
Paper XII	3	3		3	-	3	3	-	3	-			3	3

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		3	3			3			3					3
CO 2		3	3			3			3					3
CO 3		3	3			3			3					3
CO 4		3	3			3			3					3
Paper XIII		3	3	-	-	3	-	-	3	-				3

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		3	3			3			3		3			3
CO 2		3	3			3			3		3			3
CO 3		3	3			3			3		3			3
CO 4		3	3			3			3		3			3
Paper XIV		3	3	-	-	3	-	-	3	-	3	-	-	3

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		3	3			3			3	3	3	3		
CO 2		3	3			3			3	3	3	3		
CO 3		3	3			3			3	3	3	3		
CO 4		3	3			3			3	3	3	3		
Paper XV		3	3	-	-	3	-	-	3	3	3	3	-	

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		3	3			3			3	3	3			
CO 2		3	3		3	3			3	3	3			
CO 3		3	3			3			3	3	3			
CO 4		3	3		3	3			3	3	3			
Paper XVI		3	3	-	3	3	-	-	3	3	3		-	

Step 3] development of overall CO-PO mapping matrix for all courses of Mathematics

The overall CO levels obtained for all courses from above step can be expressed in matrix form.

Courses	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
Paper IX	3	3		-	3	3	-	3	3	-	3	3	-	-
Paper X	3	3		-	-	3	-	-	3	-		3	-	-
Paper XI	3	3		3	-	3	-	-	3	-		3	-	-
Paper XII	3	3	-	3	-	3	3	-	3	-			3	3
Paper XIII		3	3	-	-	3	-	-	3	-				3
Paper XIV		3	3	-	-	3	-	-	3	-	3	-	-	3
Paper XV		3	3	-	-	3	-	-	3	3	3	3	-	
Paper XVI		3	3	-	3	3	-	-	3	3	3		-	
Average	3	3	3	3	3	3	3	3	3	3	3	3	3	3



Head
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I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.

Department of Marathi
Calculation for Program Outcome Attainment for the Year 2023-24 (B.A.III Marathi)

Attainment to course outcome-									
Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam(I)	% of students above 80% internal marks	Level of attainment	20% of Attainment Level in internal Exam (II)	Attainment of Course (I+II)
Semester rV (Theory)	Paper- VII	साहित्यविचार	44	1	0. 8	10 0	3	0.6	1.4
	Paper VIII	मराठी भाषा व भाषाविज्ञान	33	1	0. 8	10 0	3	0.6	1.4
	Paper- IX	मध्ययुगीन मराठी वाङ्मयाचा इतिहास	44	1	0. 8	10 0	3	0.6	1.4
	Paper- X	मराठी भाषा व अर्थार्जनाच्या संधी	55	2	1. 6	10 0	3	0.6	2.2
	Paper- XI	वाङ्मय प्रवाहांचे अध्ययन: मध्ययुगीन	77	3	2. 4	10 0	3	0.6	3

Semester VI (Theory)	Paper- XII	साहित्यविचार	66	2	1.6	100	3	0.6	2.2
	Paper- XIII	मराठी भाषा व भाषाविज्ञान	33	1	0.8	100	3	0.6	1.4
	Paper- XIV	मध्ययुगीन मराठी वाडमयाचा इतिहास	55	2	1.6	100	3	0.6	2.2
	Paper- XV	मराठी भाषा व अर्थाजनाच्या संधी	66	2	1.6	100	3	0.6	2.2
	Paper- XVI	वाडमय प्रवाहांचे अध्ययन: मध्ययुगीन	55	3	1.6	100	3	0.6	2.2
						100	3	Total	19.6
								Average	19.6

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Head
Department of Marathi
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.

Shri Vijaysinha Yadav College, Pethvadgaon

Department of Botany

B. Sc. III

RESULT

2023-24

Sr. no	Name of Student	PRN	Marks Obtained in Paper								Practical Exam. marks	Total Out of 600	Percentage	Result
			IX	X	XI	XII	XIII	XIV	XV	XVI				
1	Parit Sujal Rahul	2021035878	29	22	33	24	22	28	32	30	142	362	60.33	First Class
2	Kable Gaurav Sanjaykumar	2021035864	25	23	23	22	21	25	24	24	139	326	54.33	Second Class
3	Hupare Rohit Arun	2020072412	24	28	22	24	21	30	26	31	149	355	59.17	Second Class
4	Mujawar Samiya Salim	2021040248	31	25	25	29	23	29	30	26	152	370	61.67	First Class
5	Patil Kishor Annaso	2310725505	14	36	21	35	23	33	32	42	184	420	70	Dist. Pass
6	Patil Sanika Sambhaji	2310725506	28	26	10	26	ab	ab	ab	ab	107	Fail	Fail	Fail

Shri Vijaysinha Yadav College, Pethvadgaon

Department of Botany

B. Sc. III CIE I Result – 2023-24

Sr. no.	Name of Student	PRN	Marks Obtained in CIE											
			Paper IX			Paper X			Paper XI			Paper XII		
			T (20)	H1 (15)	H2 (15)	T (20)	H1 (15)	H2 (15)	T (20)	H1 (15)	H2 (15)	T (20)	H1 (15)	H2 (15)
1	Parit Sujal Rahul	2019043167	14	12	12	15	12	13	14	11	12	14	13	12
2	Kable Gaurav Sanjaykumar	2019012732	16	12	13	17	14	13	17	13	13	18	13	14
3	Hupare Rohit Arun	2110724109	15	14	12	14	13	13	12	14	15	14	14	13
4	Mujawar Samiya Salim	2019012860	18	13	14	18	13	14	18	14	13	18	13	14
5	Chougule Pradip Prakash	2310725500	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
6	Desai Chetan Sanjay	2310725501	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
7	Jagtap Prajakta Dasharath	2310725502	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
8	Kamlakar Pooja Babaso	2310725503	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
9	Mane Madhuri Subhash	2310725504	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
10	Patil Kishor Annaso	2310725505	18	14	13	18	13	14	18	13	14	18	13	14
11	Patil Sanika Sambhaji	2310725506	19	14	13	18	13	14	18	13	14	19	13	14

Shri Vijaysinha Yadav College, Pethvadgaon

Department of Botany

B. Sc. III CIE II Result – 2023-24

Sr. no.	Name of Student	PRN	Marks Obtained in CIE											
			Paper XIII			Paper XIV			Paper XV			Paper XVI		
			T (20)	H1 (15)	H2 (15)	T (20)	H1 (15)	H2 (15)	T (20)	H1 (15)	H2 (15)	T (20)	H1 (15)	H2 (15)
1	Parit Sujal Rahul	2019043167	16	12	13	17	14	13	17	13	13	18	13	14
2	Kable Gaurav Sanjaykumar	2019012732	15	14	12	14	13	13	12	14	15	14	14	13
3	Hupare Rohit Arun	2110724109	14	12	12	15	12	13	14	11	12	14	13	12
4	Mujawar Samiya Salim	2019012860	17	13	13	16	13	12	17	13	13	18	13	14
5	Chougule Pradip Prakash	2310725500	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
6	Desai Chetan Sanjay	2310725501	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
7	Jagtap Prajakta Dasharath	2310725502	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
8	Kamlakar Pooja Babaso	2310725503	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
9	Mane Madhuri Subhash	2310725504	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab
10	Patil Kishor Annaso	2310725505	19	14	14	19	14	14	19	14	15	19	14	15
11	Patil Sanika Sambhaji	2310725506	18	13	14	19	13	14	18	13	13	19	14	14

Calculation for Program Outcome Attainment for the Year 2023-24 (B. Sc. III, Botany)

Attainment of course outcome									
Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course (I+II)
Semester V (Theory)	Paper-IX	Genetics and Plant Breeding	<45	1	0.8	100	3	0.6	1.4
	Paper-X	Microbiology, Plant pathology and Mushroom Culture Technique	<45	1	0.8	100	3	0.6	1.4
	Paper-XI	Cytology and Research Techniques in Biology	<45	1	0.8	100	3	0.6	1.4
	Paper-XII	Horticulture and Gardening	<45	1	0.8	100	3	0.6	1.4
Semester VI (Theory)	Paper-XIII	Plant Biochemistry and Molecular Biology	<45	1	0.8	100	3	0.6	1.4
	Paper-XIV	Bioinformatics, Biostatistics and Economic Botany	<45	1	0.8	100	3	0.6	1.4
	Paper-XV	Plant Biotechnology and Paleobotany	<45	1	0.8	100	3	0.6	1.4
	Paper-XVI	Biofertilizers and Herbal drug Technology	50	2	1.6	100	3	0.6	2.2
									Total
								Average	1.5

Calculation for Program Outcome Attainment for the Year 2023-24 (B. Sc. III, Botany)

COs are mapped with CIE (Continuous internal evaluation) marks as follows

1] Botany: Sem. V & VI

Paper IX: Genetics and Plant Breeding

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	1	2	1	1.3
Total average				1.3

Paper X: Microbiology, Plant Pathology and Mushroom Culture Technique

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	-	3	3
CO 2	3	3	-	3
Total average				3

Paper XI: Cytology and Research Techniques in Biology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3	-	3
CO 2	3	-	3	3
Total average				3

Paper XII: Horticulture and Gardening

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	-	3	3
CO 2	3	3	-	3
Total average				3

Paper XIII: Plant Biochemistry and Molecular Biology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3	3	3
Total average				3

Paper XIV: Bioinformatics, Biostatistics and Economic Botany

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3	-	3
CO 2	3	-	3	3
Total average				3

Paper XV: Plant Biotechnology and Paleobotany

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	-	-	0.2	0.2
CO 2	0.2	0.2	-	0.2
Total average	0.2	0.2	0.2	0.2

Paper XVI: Biofertilizers and Herbal drug Technology

Course outcomes	Test 1	HA 1	HA2	Average
CO 1	3	3	-	3
CO 2	-	3	3	3
Total average	3	3	3	3

Step 2] COs are mapped with POs. The CO levels corresponding to each PO are averaged to obtain overall CO level for each PO as follows:

1]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	1.3	1.3	-	1.3	-	-	-	-	-	-	1.3	-	-	-	1.3	1.3	-	-	1.3	1.3	1.3	1.3
Paper IX	1.3	1.3	=-	-	-	1.3	-	1.3	1.3	-	1.3	-	-	-	1.3	1.3	-	-	1.3	1.3	1.3	1.3

2]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	-	-	-	3	3	3	-	-	3	-	-	3	3	3	3	-	-	-	-	3	3	3
CO 2	-	-	3	3	3	-	-	-	-	-	-	3	3	3	-	3	-	3	3	-	-	3
Paper X	3	3	3	-	-	-	3	-	-	-	3	3	3	-	3	-	3	-	3	-	-	3

3]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	-	3	-	3	-	-	-	3	-	-	-	3	-	3	3	3	-	3	3	-	3	
CO 2	3	-	-	-	-	3	-	-	-	-	3	-	-	-	3	-	3	-	-	3	-	3
Paper XI	3	3	-	3	-	3	-	-	-	-	3	-	-	-	3	3	3	3	3	-	3	3

4]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	-	-	3	3	3	3	-	3	3	3	-	3	-	-	3	3	-	-	3	3	3	3
CO 2	-	-	3	3	3	3	-	3	3	3	-	-	3	3	-	3	3	3	-	3	3	-
Paper XII	-	-	3	3	3	3	-	3	3	3	3	3	-	3	3	3	3	3	-	3	3	3

5]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	-	3	3	3	-	-	3	-	-	-	3	-	3	3	-	3	-	3	-	-	3	-
Paper XIII	3	3	3	-	3	-	-	3	-	3	-	3	-	-	3	-	3	-	-	-	-	3

6]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	-	3	-	-	-	-	3	-	3	-	3	-	3	-	-	-	-	-	-	-	-	-
CO 2	-	-	3	-	-	3	-	-	-	-	-	3	-	3	-	-	3	-	3	-	-	-
Paper XIV	3	-	3	-	-	-	3	-	3	-	3	-	-	-	-	3	-	-	-	3	-	-

7]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PS O 1	PSO 2	PS O 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	-	0.2	0.2	0.2	-	0.2	0.2	-	0.2	-	-	0.2	-	0.2	0.2	-	0.2	0.2	0.2	0.2	-	0.2
CO 2	0.2	-	0.2	-	0.2	-	0.2	0.2	-	-	-	0.2	-	-	0.2	0.2	-	0.2	-	0.2	-	-
Paper XV	0.2	-	0.2	0.2	0.2	-	0.2	-	-	0.2	-	0.2	-	0.2	0.2	-	0.2	0.2	0.2	0.2	0.2	0.2

8]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PS O 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
CO 1	3	3	3	-	3		3	-	-	-	3	-	3	-	3	-	-	3	3	-	-	-
CO 2	-	3	3	-	-	3	-	3	-	3	-	3	-	-	-	-	3	-	-	3	3	-
Paper XVI	3	-	3	3	3	3	3	-	3	3	3	3	-	3	-	3	3	-	3	3	-	-

Step 3] development of overall CO-PO mapping matrix for all courses of Botany

The overall CO levels obtained for all courses from above step can be expressed in matrix form.

Courses	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9	PSO 10	PSO 11	PSO 12
Paper IX	1.3	1.3	-	-	-	1.3	-	1.3	1.3	-	1.3	-	-	-	1.3	1.3	-	-	1.3	1.3	1.3	1.3
Paper X	3	3	3	-	-	-	3	-	-	-	3	3	3	-	3	-	3	-	3	-	-	3
Paper XI	3	3	-	3	-	3	-	-	-	-	3	-	-	-	3	3	3	3	3	-	3	3
Paper XII	-	-	3	3	3	3	-	3	3	3	3	3	-	3	3	3	3	3	-	3	3	3
Paper XIII	3	3	3	-	3	-	-	3		3	-	3	-	-	3	-	3	-	-	-	-	3
Paper XIV	3	-	3	-	-	-	3	-	3	-	3	-	-	-	-	3	-	-	-	3	-	-
Paper XV	0.2	-	0.2	0.2	0.2	-	0.2	-	-	0.2	-	0.2	-	0.2	0.2	-	0.2	0.2	0.2	0.2	0.2	0.2
Paper XVI	3	-	3	3	3	3	3	-	3	3	3	3	-	3	-	3	3	-	3	3	-	-
Average	2.3	2.5	2.5	2.3	2.3	2.5	2.3	2.4	2.5	2.3	2.7	2.4	3.0	2.0	1.9	2.6	2.5	2.0	2.3	2.5	2.5	2.3

Department of History
Calculation for Program Outcome Attainment for the Year 2023-24

Attainment of course outcome

Semester (Theory)	CourseCode(PaperNo.)	CourseTitle	% of students above 60% University marks	Level of Attainment	80% of Attainment level in end term exam(I)	% of students above 60% internal marks	Level of attainment	20% of Attainment level in internal exam(I)	Attainment of Course(I+II)
Semester V (Theory)	Paper-VII	Early India	16	1	0.8	100	3	0.6	1.4
	Paper-VIII	History of medieval India	08	1	0.8	100	3	0.6	1.4
	Paper-IX	Age of Revolutions	58	2	1.6	100	3	0.6	2.2
	Paper-X	Political History of the Maratha's	41	2	1.6	100	3	0.6	2.2
	Paper- XI	History -It's Theory	16	1	0.8	100	3	0.6	1.4
	Paper-XII	Ancient India	00	00	00	100	3	0.6	0.6
Semester VI (Theory)	Paper-XIII	History of medieval India	25	1	0.8	100	3	0.6	1.4
	Paper-XIV	Making of the Modern world	08	1	0.8	100	3	0.6	1.4
	Paper-XV	Polity, Economy and Society under the Maratha's	75	3	2.4	100	3	0.6	3.0
	Paper-XVI	Method's and application of History	41	2	1.6	100	3	0.6	2.2
				<i>Swag</i>			<i>Princip</i>	Total	17.2
				Head			I/C Principal	Average	1.72

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Shri Vijaysinha Yadav College,
 Peth Vadgaon, Tal. Hatkanangale,
 Dist. Kolhapur.

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

The College has prepared the method of measuring program outcomes and course outcomes that eventually upgrade the academic quality of the College and graduate outcomes. The learning outcomes attainment is calculated by using the direct and indirect method. In direct method, students' performance in university examinations and internal examinations is one of the major parameters of outcome assessment while in indirect method, data of students' progression and placements are taken.

The course outcomes of all the courses at the final year are mapped with Program outcomes to obtain the attributes of UGC

CO Assessment Process:

1. Relevance of process and tools with theory subject.
2. For each subject some CO's designed and are mapped with program Outcomes and Programme Specific Outcomes



Dr. Vigneshwar
Path V...

Table - Following tools are used for Assessment process

Sr. No.	Direct method	Method Description
1.	External Semester end Examination	Marks obtained in external semester end examination (theory) are the basis for external assessment to record the attainment of course outcomes.
2.	Internal assessment Test	Marks in a theory paper are based on tests. Average of the better marks obtained from these tests shall contribute to the internal assessment marks for the relevant subject.
Indirect method		
1.	Student Progression	Higher progression data of students is collected
2.	Placements	Placement data is collected from the office.

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Department of Microbiology

Attainment of Course Outcomes (COs)

Criteria

Attainment level	% of students scoring $\geq 60\%$ marks	
	External Theory Exam	Internal Theory Exam
I	< 45%	> 60%
II	45-60%	60-80%
III	> 60%	>80%

Weightage of Attainments

Attainment of Course = 80% of (Attainment level in university examination)
+ 20% of (Attainment level in continuous internal evaluation CIE)

Assessment-CO and PO matrix is prepared for each course.

The attainment level for program outcomes (POs) is defined as follows:

Program outcome Level	Target Attainment
Level 1	0.5 > 1.0
Level 2	1.0 > 1.5
Level 3	1.5 > 2.0
Level 4	2.0 > 2.5
Level 5	2.5 > 3.0

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Department of Microbiology
Calculation for Program Outcome Attainment for the Year 2023-24 (B. Sc. III Microbiology)

Attainment of course outcome										
Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course (I+II)	
Semester V (Theory)	Paper-IX	Virology	70	3	2.4	100	3	0.6	3	
	Paper-X	Immunology	70	3	2.4	100	3	0.6	3	
	Paper-XI	Food & Industrial Microbiology	20	1	0.8	100	3	0.6	1.4	
	Paper-XII	Agriculture Microbiology	82.5	3	2.4	100	3	0.6	3	
Semester VI (Theory)	Paper-XIII	Microbial Genetics	82.5	3	2.4	100	3	0.6	3	
	Paper-XIV	Microbial biochemistry	97.43	3	2.4	100	3	0.6	3	
	Paper-XV	Environmental Microbiology	84.61	3	2.4	100	3	0.6	3	
	Paper-XVI	Medical Microbiology	65	3	2.4	100	3	0.6	3	
									Total	22.6
									Average	2.8

MAPPING

Rubrics developed to validate POs for some Programmes

Correlation level 1, 2 and 3 are defined as follows:

1. Slight (Low) 2. Moderate (Medium) 3. Substantial (High)

Assessment Tools:

Program Outcomes	Courses considered	Method of Assessment	Source of data collection
PO 1-PO 10	For each PO, the contributing course is obtained from CO to PO mapping	1) Direct Assessment Internal evaluation <ul style="list-style-type: none">• Unit Tests• Assignments 2) External Evaluation University Exam	Result file and University Ledger

Mapping Factor (Correlation Level):

It indicates to what extent ascertain component (either assessment method to CO or CO to PO or CO to PSO)

- 3: Indicates Substantial (high) mapping (high contribution towards attainment)
2: Indicates Moderate (medium) mapping (medium contribution towards attainment)
1: Indicates Slight (low) mapping (some contribution towards attainment)


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Calculation for Program Outcome Attainment for the Year 2023-24 (B. Sc. III
Microbiology)

Step 1] CO's are mapped with CIE (Continuous internal evaluation) marks as follows

1] Microbiology: Sem. V & VI

Paper IX -Virology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	2		2.5
CO 2	3	2		2.5
CO 3	3		3	3
CO 4	3		3	3
Total average	3	2	3	2.75

Paper X: Immunology


Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	2	3		2.5
CO 2	3	3		3
CO 3	2		3	2.5
CO 4	3		3	3
Total average	2.5	3	3	2.75

Paper XI: Food and Industrial microbiology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	2	3		2.5
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	2.75	3	3	2.88

Paper XII: Agricultural Microbiology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3


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Paper XIII: Microbial Genetics

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	2	3		2.5
CO 3	3		3	3
CO 4	3		3	3
Total average	2.75	3	3	2.88

Paper XIV: Microbial Biochemistry

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XV: Environmental Microbiology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3	3		3
CO 3	3		3	3
CO 4	3		3	3
Total average	3	3	3	3

Paper XVI: Medical Microbiology

Course outcomes	Test 1	HA 1	HA 2	Average
CO 1	2	3		2.5
CO 2	3	3		3
CO 3	3		3	3
CO 4	2		3	2.5
Total average	2.5	3	3	2.75

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Step 2] COs are mapped with POs. The CO levels corresponding to each PO are averaged to obtain overall CO level for each PO

Microbiology

1]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	2.5	-	2.5	-	2.5	2.5	-	2.5	2.5	-	2.5			
CO 2	2.5	-	2.5	-	2.5	2.5	-	2.5	2.5	-	2.5			
CO 3	3	-	3	-	3	3	-	-	-		3			
CO 4	3	-	3	-	3	3	-	-	-		3			
Paper IX	2.75	-	2.75	-	2.75	2.75	-	2.5	2.5	-	2.75	-	-	-

2]


Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	2.5	-	2.5	-	2.5	2.5	-	2.5	2.5	-	2.5			2.5
CO 2	3	-	3	-	3	3	-	3	3	-	3			3
CO 3	2.5	-	2.5	-	2.5	2.5	-	-	-		2.5			2.5
CO 4	3	-	3	-	3	3	-	-	-		3			3
Paper X	2.75	-	2.75	-	2.75	2.75	-	2.75	2.75	-	2.75		-	2.75

3]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		2.5	2.5	2.5		2.5						2.5	2.5	
CO 2		3	3	3		3						3	3	
CO 3		3	3	3		3						3	3	
CO 4		3	3	3		3						3	3	
Paper XI	-	2.88	2.88	2.88	-	2.88	-	-	-	-	-	2.88	2.88	-

4]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	3	3		3			3		3				3	3
CO 2	3	3		3		3	3		3				3	3
CO 3	3	3		3		3	3		3				3	3
CO 4	3	3		3			3		3				3	3
Paper XII	3	3		3	-	3	3	-	3	-			3	3


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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	3		3			3	3							3
CO 2	2.5		2.5			2.5	2.5							2.5
CO 3	3		3			3	3							3
CO 4	3		3			3	3							3
Paper XIII	2.88	-	2.88	-	-	2.88	2.88	-	-	-				2.88

6]

Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		3	3			3			3		3			3
CO 2		3	3			3			3		3			3
CO 3		3	3			3			3		3			3
CO 4		3	3			3			3		3			3
Paper XIV	-	3	3	-	-	3	-	-	3	-	3	-	-	3

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		3	3			3			3	3		3		3
CO 2		3	3			3			3	3		3		3
CO 3		3	3			3			3	3		3		3
CO 4		3	3			3			3	3		3		3
Paper XV	-	3	3	-	-	3	-	-	3	3	-	3	-	3

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Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
CO 1			2.5			2.5	2.5		2.5		2.5			2.5
CO 2			3			3	3		3		3			3
CO 3			3			3	3		3		3			3
CO 4			2.5			2.5	2.5		2.5		2.5			2.5
Paper XVI	-	-	2.75	-	-	2.75	2.75	-	2.75	-	2.75		-	2.75



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Step 3] development of overall CO-PO mapping matrix for all courses of Microbiology

The overall CO levels obtained for all courses from above step can be expressed in matrix form.

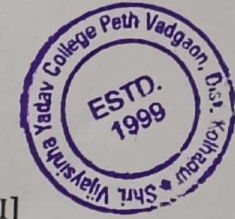
Courses	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO
Paper IX	2.75	-	2.75	-	2.75	2.75	-	2.5	2.5	-	2.75	-	-	-
Paper X	2.75	-	2.75	-	2.75	2.75	-	2.75	2.75	-	2.75	-	-	2.75
Paper XI	-	2.88	2.88	2.88	-	2.88	-	-	-	-	-	2.88	2.88	-
Paper XII	3	3		3	-	3	3	-	3	-			3	3
Paper XIII	2.88	-	2.88	-	-	2.88	2.88	-	-	-				2.88
Paper XIV	-	3	3	-	-	3	-	-	3	-	3	-	-	3
Paper XV	-	3	3	-	-	3	-	-	3	3	-	3	-	3
Paper XVI	-	-	2.75	-	-	2.75	2.75	-	2.75	-	2.75	-	-	2.75
Average	2.85	2.97	2.85	2.94	2.75	2.53	2.87	2.62	2.83	3	2.81	2.94	2.94	2.85

(Signature)
 DEPARTMENT OF MICROBIOLOGY
 Sree Vidya Vaidya College
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Department of Political Science
Calculation for Program Outcome Attainment for the Year 2023-24 (B. A. III)

Attainment of course outcome									
Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course (I+II)
Semester V (Theory)	Paper-VII	Political Theory	72	3	2.4	100	3	0.6	3
	Paper-VIII	Public Administration	90	3	2.4	100	3	0.6	3
	Paper-IX	International Politics	72	3	2.4	100	3	0.6	3
	Paper-X	Comparative Politics	63	2	1.6	100	3	0.6	2.2
	Paper-XI	Western Political Thought- I,	54	2	1.6	100	3	0.6	2.2
Semester VI (Theory)	Paper-XII	Modern Political Concept	22	1	.8	100	3	0.6	1.4
	Paper-XIII	Political Movement In Maharashtra	44	2	1.6	100	3	0.6	2.2
	Paper-XIV	Foreign Policy of India	88	3	2.4	100	3	0.6	3
	Paper-XV	Comparative Government	66	2	1.6	100	3	0.6	2.2
	Paper-XVI	Western Political Thought- II	55	2	1.6	100	3	0.6	2.2
									Total
								Average	2.54


Head
Dept. of Political Science



DEPARTMENT OF SOCIOLOGY

CALCULATION FOR PROGRAM OUTCOME ATTAINMENT FOR THE YEAR 2023-24 [B. A.-III]

Sr. No.	Semester	Course Code Paper No.	Course Title	% of Students above 60% University Marks	Level of Attainment	80% of Attainment Level in End term Examination	% of Students above 60% Internal marks	Level of Attainment	20% of Attainment Level in	Attainment of Course (I and II)
01	V	DSE – E66 VII	Western Sociological Thinkers	38.46	1	0.8	92	3	0.6	1.4
02	V	DSE – E67 VIII	Methods of Social Research (Part-I)	30.76	1	0.8	88	3	0.6	1.4
03	V	DSE – E68 IX	Political Sociology	53.84	2	1.6	85	3	0.6	2.2
04	V	DSE – E69 X	Human Rights	76.92	3	2.4	83	3	0.6	3
05	V	DSE – E70 XI	Sociology of Religion	53.84	2	1.6	87	3	0.6	2.2
06	VI	DSE – E191 XII	Indian Sociological Thinkers	84.61	3	2.4	98	3	0.6	3
07	VI	DSE – E192 XIII	Methods of Social Research (Part-II)	61.53	3	2.4	85	3	0.6	3
08	VI	DSE – E193 XIV	Social Anthropology	61.53	3	2.4	85	3	0.6	3
09	VI	DSE – E194 XV	Rural Sociology	69.23	3	2.4	82	3	0.6	3
10	VI	DSE – E195 XVI	Urban Sociology	61.53	3	2.4	84	3	0.6	3
									Total	25.2
									Average	2.52

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Department of Sociology
V. Y. College, Peth- Vadgaon, Kolhapur

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Shri Vijaysinha Yadav College, Peth Vadgaon
 Department of Sociology



Attainment of Course Outcomes (COs)

Attainment level	% of students scoring $\geq 60\%$ marks	
	External Theory Exam	Internal Theory Exam
I	< 45%	> 60%
II	45-60%	60-80%
III	> 60%	> 80%

Weightage of Attainments

Attainment of Course = 80% of (Attainment level in university examination)
 + 20% of (Attainment level in continuous internal evaluation CIE)

Assessment-CO and PO matrix is prepared for each course

The attainment level for program outcomes (POs) is defined as follows:

Program outcome Level	Target Attainment
Level 1	0.5 > 1.0
Level 2	1.0 > 1.5
Level 3	1.5 > 2.0
Level 4	2.0 > 2.5
Level 5	2.5 > 3.0

[Signature]

Head,
 Department of Sociology
 V. Y. College, Peth- Vadgaon, Kolhapur

SHRI VIJAYSINHA YADAV COLLEGE, PETHVADGAON



DEPARTMENT OF SOCIOLOGY

2023-2024

Attainment of program outcomes, program specific outcomes and course outcomes.

Department of Zoology
The calculation for Program Outcome Attainment for the Year 2023-24(B. Sc. III Zoology)

Attainment of course outcome										
Semester (Theory)	Course Code (Paper No.)	Course Title	% Of students above 60% University marks	Level of Attainment	80% of Attainment Level in end-term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in the internal exam (II)	Attainment of Course (I+II)	
Semester V (Theory)	Paper-IX	Comparative anatomy of Vertebrates	50	2	1.6	92	3	0.6	2.2	
	Paper-X	Molecular Cell Biology and Animal Biotechnology	58	2	1.6	92	3	0.6	2.2	
	Paper-XI	Biotechniques and Biostatistics	50	2	1.6	92	3	0.6	2.2	
	Paper-XII	Aquatic Biology	58	2	1.6	92	3	0.6	2.2	
Semester VI (Theory)	Paper-XIII	Developmental Biology	67	3	2.4	92	3	0.6	3	
	Paper-XIV	Immunology	50	2	1.6	92	3	0.6	2.2	
	Paper-XV	Applied Zoology II	58	2	1.6	92	3	0.6	2.2	
	Paper-XVI	Insect Vectors and Histology	92	3	2.4	92	3	0.6	3	
									Total	19.2
									Average	2.4

The calculation for Program Outcome Attainment for the Year 2023-24(B. Sc. III Zoology)

Step 1] COs are mapped with CIE (Continuous internal evaluation) marks

Zoology: Sem. V & VI

Paper IX: Comparative anatomy of Vertebrates

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	2	3		2.5
CO 2	2		3	2.5
CO 3	2		3	2.5
Total average				2.5

Paper X: Molecular Cell Biology and Animal Biotechnology

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	1	3		2
CO 2	1		3	2
CO 3	1		3	2
Total average				2

Paper XI: Biotechniques and Biostatistics

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3		3	3
CO 3	3		3	3
Total average				3

Paper XII: Aquatic Biology

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	2	3		2.5
CO 2	2		3	2.5
CO 3	2		3	2.5
Total average				2.5

Paper XIII: Developmental Biology

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3		3	3
CO 3	3		3	3
Total average				3

Paper XIV: Immunology

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3		3	3
CO 3	3		3	3
Total average				3

Paper XV: Applied Zoology II

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3		3	3
CO 3	3		3	3
Total average				3

Paper XVI: Insect Vectors and Histology

Course outcome	Test 1	HA 1	HA 2	Average
CO 1	3	3		3
CO 2	3		3	3
CO 3	3		3	3
Total average				3

Step 2] COs are mapped with POs and PSOs. The CO levels corresponding to each PO and PSO are averaged to obtain the overall CO level for each PO and PSO of Zoology

Paper IX: Comparative anatomy of Vertebrates

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	2.5	2.5	2.5	2.5							2.5				2.5	2.5		2.5	2.5
CO 2	2.5	2.5	2.5	2.5							2.5				2.5	2.5		2.5	2.5
CO 3	2.5	2.5	2.5	2.5							2.5				2.5	2.5		2.5	2.5
Paper IX	2.5	2.5	2.5	2.5	-	-	-	-	-	-	2.5	-	-	-	2.5	2.5	-	2.5	2.5

Paper X: Molecular Cell Biology and Animal Biotechnology

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	2	2	2	2		2	2	2	2		2	2			2	2			2
CO 2	2	2	2	2		2	2	2	2		2	2			2	2			2
CO 3	2	2	2	2		2	2	2	2		2	2			2	2			2
Paper X	2	2	2	2	-	2	2	2	2	-	2	2	-	-	2	2	-	-	2

Paper XI: Biotechniques and Biostatistics

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	3	3	3	3	3	3	3				3	3			3	3	3		3
CO 2	3	3	3	3	3	3	3				3	3			3	3	3		3
CO 3	3	3	3	3	3	3	3				3	3			3	3	3		3
Paper XI	3	3	3	3	3	3	3	-	-	-	3	3	-	-	3	3	3	-	3

Paper XII: Aquatic Biology

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	2.5	2.5	2.5	2.5	2.5	2.5	2.5				2.5	2.5	2.5	2.5	2.5	2.5			2.5
CO 2	2.5	2.5	2.5	2.5	2.5	2.5	2.5				2.5	2.5	2.5	2.5	2.5	2.5			2.5
CO 3	2.5	2.5	2.5	2.5	2.5	2.5	2.5				2.5	2.5	2.5	2.5	2.5	2.5			2.5
Paper XII	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-	-	-	2.5	2.5	2.5	2.5	2.5	2.5	-	-	2.5

Paper XIII: Developmental Biology

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	3	3	3	3			3		3		3	3			3	3		3	3
CO 2	3	3	3	3			3		3		3	3			3	3		3	3
CO 3	3	3	3	3			3		3		3	3			3	3		3	3
Paper XI	3	3	3	3	-	-	3	-	3	-	3	3	-	-	3	3	-	3	3

Paper XIV: Immunology

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	3	3	3	3	3	3	3				3	3			3	3			3
CO 2	3	3	3	3	3	3	3				3	3			3	3			3
CO 3	3	3	3	3	3	3	3				3	3			3	3			3
Paper XI	3	3	3	3	3	3	3	-	-	-	3	3	-	-	3	3	-	-	3

Paper XV: Applied Zoology II

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	3	3	3	3	3	3	3		3		3	3	3		3	3		3	3
CO 2	3	3	3	3	3	3	3		3		3	3	3		3	3		3	3
CO 3	3	3	3	3	3	3	3		3		3	3	3		3	3		3	3
Paper XV	3	3	3	3	3	3	3	-	3	-	3	3	3	-	3	3	-	3	3

Paper XVI: Insect Vectors and Histology

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	PSO 9
CO 1	3	3	3	3	3	3	3		3		3	3	3		3	3		3	3
CO 2	3	3	3	3	3	3	3		3		3	3	3		3	3		3	3
CO 3	3	3	3	3	3	3	3		3		3	3	3		3	3		3	3
Paper XVI	3	3	3	3	3	3	3	-	3	-	3	3	3	-	3	3	-	3	3

Step 3] development of overall CO-PO mapping matrix for all courses of Zoology

The overall CO levels obtained for all courses from the above step can be expressed in matrix form.

Courses	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	
Paper IX	2.5	2.5	2.5	2.5	-	-	-	-	-	-	-	2.5	-	-	-	2.5	2.5	-	2.5	2.5
Paper X	2	2	2	2	-	2	2	2	2	-	-	2	2	-	-	2	2	-	-	2
Paper XI	3	3	3	3	3	3	3	-	-	-	-	3	3	-	-	3	3	3	-	3
Paper XII	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-	-	-	-	2.5	2.5	2.5	2.5	2.5	2.5	-	-	2.5
Paper XIII	3	3	3	3	-	-	3	-	3	-	-	3	3	-	-	3	3	-	3	3
Paper XIV	3	3	3	3	3	3	3	-	-	-	-	3	3	-	-	3	3	-	-	3
Paper XV	3	3	3	3	3	3	3	-	3	-	-	3	3	3	-	3	3	-	3	3
Paper XVI	3	3	3	3	3	3	3	-	3	-	-	3	3	3	-	3	3	-	3	3
Average	2.75	2.75	2.75	2.75	9.4	2.75	2.75	2	2.75	-	-	2.75	2.78	2.83	2.5	2.75	2.75	3	2.87	2.75


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Shri. Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry

B. Sc. III 2023-24 Results

Attainment of program out comes, program specific out comes and course out comes a reevaluated by the institution

Attainment levels:

For University Exam

Level 1	Below 45% Students scoring more than 60% marks
Level 2	45-60% Students scoring more than 60% marks
Level 3	≥60% Students scoring more than 60% marks

For Internal Exam

Level 1	Below 60% Students scoring more than 60 %marks
Level 2	60-80% Students scoring more than 60% marks
Level 3	Above 80% Students scoring more than 60% marks

Program outcome Level	Target Attainment (Exclusive Method)
Level 1	0.5-1.0
Level 2	1.0-1.5
Level 3	1.5-2.0
Level 4	2.0-2.5
Level 5	2.5-3.0

Department of Chemistry
Calculation for Program Outcome Attainment for the Year 2023-24
(B. Sc. III Chemistry)

Attainment of course outcome										
Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course of Course (I+II)	
Semester-V (Theory)	Paper-IX	Inorganic chemistry	24.24	1	0.8	100	3	0.6	1.4	
	Paper-X	Organic chemistry	30.30	1	0.8	100	3	0.6	1.4	
	Paper-XI	Physical chemistry	18.18	1	0.8	100	3	0.6	1.4	
	Paper-XII	Analytical chemistry	33.33	1	0.8	100	3	0.6	1.4	
Semester-VI (Theory)	Paper-XIII	Inorganic chemistry	39.39	1	0.8	100	3	0.6	1.4	
	Paper-XIV	Organic chemistry	6.06	1	0.8	100	3	0.6	1.4	
	Paper-XV	Physical chemistry	33.33	1	0.8	100	3	0.6	1.4	
	Paper-XVI	Industrial chemistry	18.18	1	0.8	100	3	0.6	1.4	
Total								11.2		
Average								1.4		


Head

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Department of Commerce

Attainment for Year 2023-2024 B.Com - III

Semester Theory	Course Code Paper No.	Course Title	Attainment of course outcome		Internal 80% of attainment level in internal (exam I)	Exams		20% of Attainment internal exam II	Attainment of course (+) I & II
			% of Student above 60% University marks	Level of Attainment		% of Student above 60% internal marks	Level of Attainment		
V	1	BEN5	74.67	3	2.4	76.31	3	0.6	3
	2	BRF5	55.5	2	1.6	80.00	3	0.6	2.2
	3	MMP5	51.00	2	1.6	85.18	3	0.6	2.2
	4	COD5	84.48	3	2.4	82.43	3	0.6	3
	5	AACC1	85.43	3	2.4	91.89	3	0.6	3
	6	AACC2	85.78	3	2.4	89.18	3	0.6	3
VI	1	BEN6	91.89	3	2.4	82.43	3	0.6	3
	2	BRF6	54.05	2	1.6	78.37	3	0.6	3
	3	MMP6	81.08	3	2.4	89.18	3	0.6	3
	4	COD6	75.68	3	2.4	82.43	3	0.6	3
	5	AACC3	17.86	1	0.8	81.43	3	0.6	3
	6	AACC4	54.45	2	1.6	78.37	3	0.6	3

Head
Department of Commerce
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Department of Economics
Calculation for Program Outcome Attainment for the Year 2023-24 (B. A. III Economics)


Attainment of course outcome									
Semester (Theory)	Course Code (PaperNo.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 80% internal marks	Level of attainm ent	20% of Attainment Level in internal exam (II)	Attainme nt of Course (I+II)
Semester V (Theory)	Paper-VII	Principles of Micro Economics I	58.33	2	1.6	58.33	1	0.2	1.8
	Paper-VIII	Economics of Development	66.66	3	2.4	50	1	0.2	2.6
	Paper-IX	International Economics - I	83.33	3	2.4	66.66	2	0.4	2.8
	Paper-X	Research methodology in Economics - I	58.33	2	1.6	41.66	1	0.2	1.8
	Paper-XI	History of Economic Thoughts - I	58.33	2	1.6	75	2	0.4	2
Semester VI (Theory)	Paper- XII	Principles of Micro Economics II	66.66	3	2.4	33.33	1	0.2	2.6
	Paper - XIII	Economics Of Planning	91.66	3	2.4	66.66	2	0.4	2.8
	Paper- XIV	International Economics – II	91.66	3	2.4	58.33	1	0.2	2.6
	Paper- XV	Research methodology in Economics - II	91.66	3	2.4	58.33	1	0.2	2.6
	Paper- XVI	History of Economic Thoughts - II	91.66	3	2.4	83.33	3	0.6	3
								Total	24.6
								Average	2.46


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Department of English

Calculation for Program Outcome Attainment for the Year 2023-24 (B. A. III English)

Attainment of course outcome									
Semester (Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course (I+II)
Semester V (Theory)	Paper-VII	Introduction of Literary Criticism	16.66	1	0.8	100	3	0.6	1.4
	Paper-VIII	English Poetry	16.66	1	0.8	100	3	0.6	1.4
	Paper-IX	English Drama	25.00	1	0.8	100	3	0.6	1.4
	Paper-X	English Novel	25.00	1	0.8	100	3	0.6	1.4
	Paper-XI	Structure and Function of English Language	33.33	1	0.8	100	3	0.6	1.4
Semester VI (Theory)	Paper-XII	Introduction of Literary Criticism	16.66	1	0.8	100	3	0.6	1.4
	Paper-XIII	English Poetry	25.00	1	1.6	100	3	0.6	1.4
	Paper-XIV	English Drama	25.00	1	1.6	100	3	0.6	1.4
	Paper-XV	English Novel	50.00	2	1.6	100	3	0.6	2.2
	Paper-XVI	Structure and Function of English Language	8.33	1	0.8	100	3	0.6	1.4
									Total
								Average	1.48


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Department of HINDI
Calculation for Program Outcome Attainment for the Year 2023-2024 (B.A.III HINDI)

Attainment of course outcome

Semester(Theory)	Course Code (Paper No.)	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam(I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course(I+II)
Semester V (Theory)	Paper-VII	विधाविशेषकाआद्ययन	70.00	3	2.4	100	3	0.6	3
	Paper VIII	साहित्यशास्त्र	70.00	3	2.4	100	3	0.6	3
	Paper-IX	हिंदीसाहित्यकाइतिहास	80.00	3	2.4	100	3	0.6	3
	Paper-X	प्रयोजनमूलकहिंदी	80	3	2.4	100	3	0.6	3
	Paper-XI	भाषाविद्यानऑरहिंदीभाषा	60	3	2.4	100	3	0.6	3
Semester VI (Theory)	Paper-XII	विधाविशेषकाआद्ययन	60	3	2.4	100	3	0.6	3
	Paper-XIII	साहित्यशास्त्र	70	3	2.4	100	3	0.6	3
	Paper-XIV	हिंदीसाहित्यकाइतिहास	80	3	2.4	100	3	0.6	3

	Paper- XV	प्रयोजनमूलकहिंदी	60	6	2.4	100	3	0.6	3
	Paper- XVI	भाषाविद्यानऑरहिंदीभाषा	70	3	2.4	100	3	0.6	3
								Total	30
								Average	3


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