



Rural Foundation Nandurbar Sanchalit Ph.No.- (02567)252820

SENIOR SCIENCE COLLEGE, AKKALKUWA,

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Affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

REF No.

Date-

Declaration

This is to be declared that, reports of the supporting documents and data, etc., submitted in this file is verified and is correct as per the records. This declaration is for the purpose of NAAC accreditation of HEI for 2nd Cycle period 2018-19 to 2022-23.



Principal

Rural Foundation Nandurbar Sanchalit
Senior Science College
Akkalkuwa, Dist. Nandurbar

Evaluation Process to measure Attainment of COs, PSOs and POs

Evaluation of Attainment of Course Outcomes (COs)

Overall attainment of the COs is evaluated by the respective department. The method of evaluation of the COs is as follows.

1. Overall attainment of COs is measured directly in terms of performance of students in semester end examination conducted by the university.
2. After the declaration of university examination results, every department prepares programme wise and course wise result analysis report.
3. As per the pre-defined benchmarks, departments evaluate overall attainment level for all COs for each course. For example;
 - a. if, for a given course, 50% of enrolled students have scored $\geq 50\%$ marks in final examination then overall attainment level of COs is said to be LEVEL-1 (lowest level rated with weight 1).
 - b. if, for a given course, 60% of enrolled students have scored $\geq 50\%$ marks in final examination then overall attainment level of COs is said to be LEVEL-2 (with weight 2)
 - c. if, for a given course, 70% of enrolled students have scored $\geq 50\%$ marks in final examination then overall attainment level of COs is said to be LEVEL-3 (highest level with weight 3).

Evaluation of Attainment of Programme Specific Outcomes (PSOs)

Overall attainment of PSOs of a given programme is evaluated on the basis of attainment of the respective PSOs at department level. The departments evaluate attainment of PSOs on the basis of "Level of Attainment" of all corresponding COs and the overall performance of students in class tests, seminars, quizzes, home assignments, project assignments, semester end common test and students' feedback on teaching, learning & evaluation.

Evaluation of Programme Outcomes (POs) Attainment

The POs are the qualities that a graduates must have acquired at the time of completion of their programme. Thus at the end of each program, evaluation of attainment of POs is done from the COs and PSOs attainment of all subjects. Other key parameters considered for evaluation of attainment of POs are percentage of students due for degree, percentage of merits in university merit list, other achievements of the students and students' feedback.

Review on attainment of COs, PSOs and POs

Quantitative reports on overall attainment of COs and PSOs of all programmes are collected by IQAC so as to prepare attainment of corresponding POs.

Result analysis of semester end university examinations is discussed in Council of Heads, Staff Council and College Development Committee meetings. According to suggestions of authorities of the said committees IQAC initiated the action for further improvement

Year 2022-23

Evaluation Report about Attainment of Course Outcomes (Cos) and programme Outcomes (Pos)

1. The department evaluates attainment of Cos by direct assessment and PSOs by indirect assessment of student's performance.
2. Direct assessment includes semester and examination conducted by the university
3. Indirect assessment includes class tests mid semester examination, assignment, project assignment laboratory assignment viva voce and students feedback
4. The degree of attainment of CO/Pos are expressed in terms of attainment. The benchmarks defined for measurement of attainment levels are

Level of Attainment (LOA) of Cos	Benchmark for attainment
LOA-1	50% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-2	60% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-3	70% of enrolled students have scored $\geq 50\%$ marks in final Examination

Programme Name: B Sc

Course Name: B Sc SEM-I Chemistry

Result Analysis of Semester End Examination

A- No. of Students those who have scored $\geq 75\%$ marks

B- No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C- No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	50	90.90	38	12	-	-	-
II	55	51	92.72	36	15	-	-	-
Total	110	101	91.81	74	27	-	-	-

$$A+B+C=74+27+0=101$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 101 \times 100 / 110 = 91.03\%$

Course Name: B Sc SEM-II Chemistry**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B- No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C- No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	52	36	69.23	27	9	-	-	-
II	52	41	78.84	21	19	1	-	-
Total	104	77	74.03	48	28	1	-	-

$$A+B+C=48+28+1$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 77 \times 100 / 104 = 74.03\%$

Course Name: B Sc SEM-III Chemistry**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	43	37	86.04	29	8	-	-	-
II	43	34	79.06	22	12	-	-	-
Total	86	71	82.55	51	20	-	-	-

$$A+B+C=51+20+0=71$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 71 \times 100 / 86 = 82.55\%$

Course Name: B Sc SEM-IV Chemistry**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	43	34	79.06	28	6	-	-	-
II	43	36	83.72	26	10	-	-	-
Total	86	70	81.39	54	16	-	-	-

$$A+B+C= 54+16+0=70$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 70 \times 100 / 86 = 81.39\%$

Course Name: B Sc SEM-V Chemistry**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	22	12	54.54	10	2	-	-	-
II	22	19	54.54	12	7			
III	22	13	59.09	11	2			
IV	22	16	72.72	13	3			
V	22	15	68.18	12	3			
VI	22	13	59.09	13	-			
Total	132	88	61.36	71	17			

$$A+B+C= 71+17=88$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 88 \times 100 / 132 = 66.66\%$

Course Name: B Sc SEM-VI Chemistry**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	22	16	72.72	10	6	-	-	-
II	22	17	77.27	17	-	-	-	-
III	22	19	77.27	16	3	-	-	-
IV	22	18	81.81	14	4	-	-	-
V	22	18	81.81	12	6	-	-	-
VI	22	19	77.27	11	8	-	-	-
Total	132	107	56.63	80	27	-	-	-


$$A+B+C= 80+27+0=107$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 107 \times 100 / 132 = 81.06 \%$

Attainment table for the Academic Session 2022-23

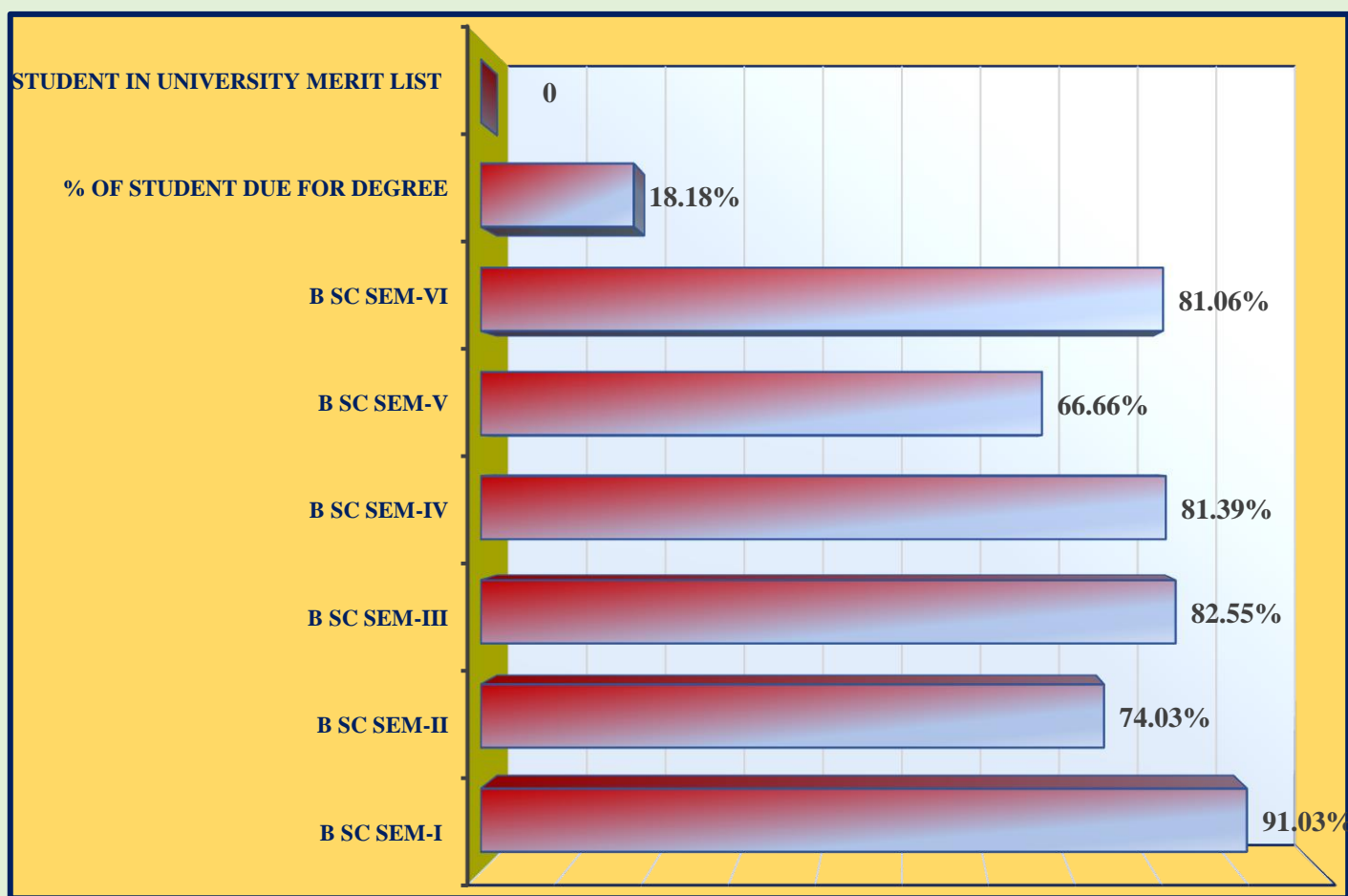
Subject	Course	% of enrolled students those have scored $\geq 50\%$ marks in the final examination(A+B+C) \times 100/ Appeared students	Cos Attainment Level as per benchmarks
BSc Chemistry	Sem-I	91.03	Level 3
	Sem-II	74.03	Level 2
	Sem-III	82.55	Level 3
	Sem-IV	81.39	Level 3
	Sem-V	66.66	Level 2
	Sem-VI	81.06	Level 3




Head
 Department of Chemistry
 RFNS, Senior Science College.
 Akkalkuwa Dist-Nandurbar

Evaluation of Attainment of COs, PSOs and POs Through result Analysis
(2022-23)

Department of Chemistry
Result Analysis (2022-23)



Patil
Head
Department of Chemistry
RFNS, Senior Science College,
Akkalkuwa Dist-Nandurbar

Botany Department

Evaluation Report about Attainment of Course Outcomes (Cos) and programme Outcomes (Pos)

1. The department evaluates attainment of Cos by direct assessment and PSOs by indirect assessment of student's performance.
2. Direct assessment includes semester and examination conducted by the university
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4. The degree of attainment of CO/Pos are expressed in terms of attainment.

The benchmarks defined for measurement of attainment levels are

Level of Attainment (LOA) of Cos	Benchmark for attainment
LOA-1	50% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-2	60% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-3	70% of enrolled students have scored $\geq 50\%$ marks in final Examination

Course Name Botany SEM-I

Result Analysis of Semester End Examination

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	54	98.18	36	10	8	-	-
II	55	51	92.72	32	19	-	-	-
Total	110	105	95.45	68	29	8	-	-

$$A+B+C= 68+29+8=105$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 105 \times 100 / 110 = 95.45\%$

Course Name Botany SEM- II**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	48	87.27	34	9	5	-	-
II	55	42	76.36	31	11		-	-
Total	110	90	81.81	65	20	5	-	-

$$A+B+C= 65+20+5=90$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 90 \times 100 / 110 = 81.81\%$

Course Name Botany SEM-III**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	41	37	88.09	31	6	-	-	-
II	41	36	85.71	31	3	2	-	-
Total	82	73	86.90	62	9	2	-	-

$$A+B+C= 62+9+2=73$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 73 \times 100 / 82 = 89.02\%$

Course Name Botany SEM-IV

Result Analysis of Semester End Examination

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	41	36	87.80	30	5	1	-	-
II	41	39	95.12	31	7	1	-	-
Total	82	75	91.46	61	12	2	-	-


$$A+B+C = 61+12+2=75$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 75 \times 100 / 82 = 91.46\%$

Attainment table for the Academic Session 2022-23

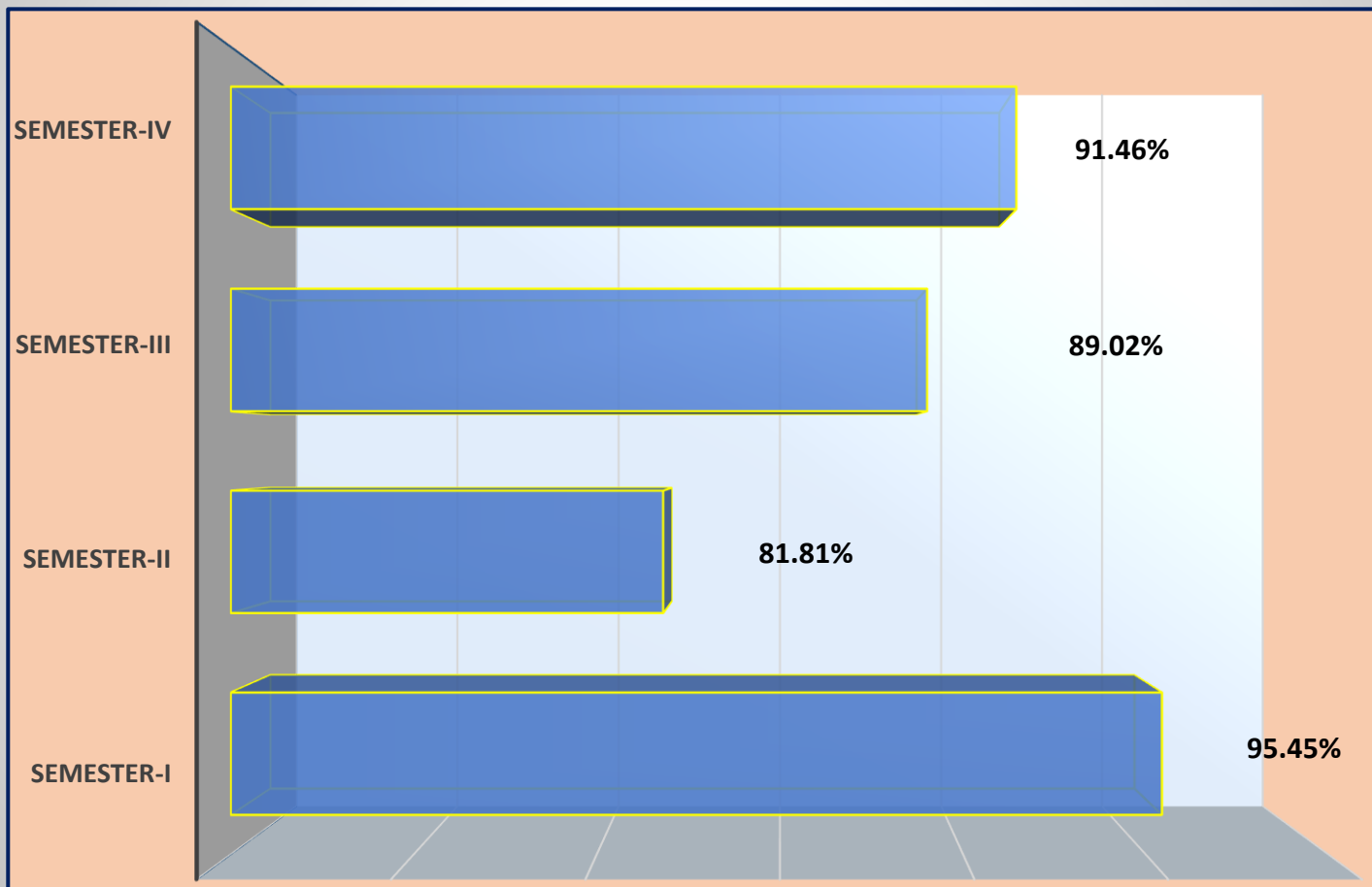
Subject	Course	% of enrolled students those have scored $\geq 50\%$ marks in the final examination $(A+B+C) \times 100 / \text{Appeared students}$	Cos Attainment Level as per benchmarks
BSc Botany	Sem-I	95.45	Level 3
	Sem-II	81.81	Level 3
	Sem-III	89.02	Level 3
	Sem-IV	91.46	Level 3





Dr. Vinod R. Jogdand
Head, Department of Botany
RFNS, Senior Science College
Akkalkuwa Dist. Nandurbar

**Evaluation of Attainment of COs, PSOs and POs Through result Analysis
(2022-23)**

**Department of Botany
Result Analysis (2022-23)**




Dr. Vinod R. Jogdand
Head, Department of Botany
RFNS, Senior Science College
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Zoology Department

Evaluation Report about Attainment of Course Outcomes (Cos) and programme Outcomes (Pos)

1. The department evaluates attainment of Cos by direct assessment and PSOs by indirect assessment of student's performance.
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4. The degree of attainment of CO/Pos are expressed in terms of attainment.

The benchmarks defined for measurement of attainment levels are

Level of Attainment (LOA) of Cos	Benchmark for attainment
LOA-1	50% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-2	60% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-3	70% of enrolled students have scored $\geq 50\%$ marks in final Examination

Course Name Zoology SEM-I

Result Analysis of Semester End Examination

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	38	69.09	32	5	1	-	-
II	55	41	74.54	29	10	2	-	-
Total	110	79	71.81	61	15	3	-	-

$$A+B+C= 61+15+3=79$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 79 \times 100 / 110 = 71.81\%$

Course Name Zoology SEM-II**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	45	81.81	37	5	3	-	-
II	55	49	89.09	39	8	2	-	-
Total	110	94	85.45	76	13	5	-	-

$$A+B+C= 76+13+5=94$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 94 \times 100 / 110 = 85.45\%$

Course Name Zoology SEM-III**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	9	7	77.77	5	2	-	-	-
II	9	6	66.66	6	-	-	-	-
Total	18	13	72.21	11	2	-	-	-

$$A+B+C= 11+2+0=13$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 13 \times 100 / 18 = 72.21\%$

Course Name Zoology SEM-IV**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	9	9	100	7	2	-	-	-
II	9	8	88.88	8	-	-	-	-
Total	18	17	94.44	15	2	-	-	-


$$A+B+C= 15+2+0=17$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 17 \times 100 / 18 = 94.44\%$

Attainment table for the Academic Session 2022-23

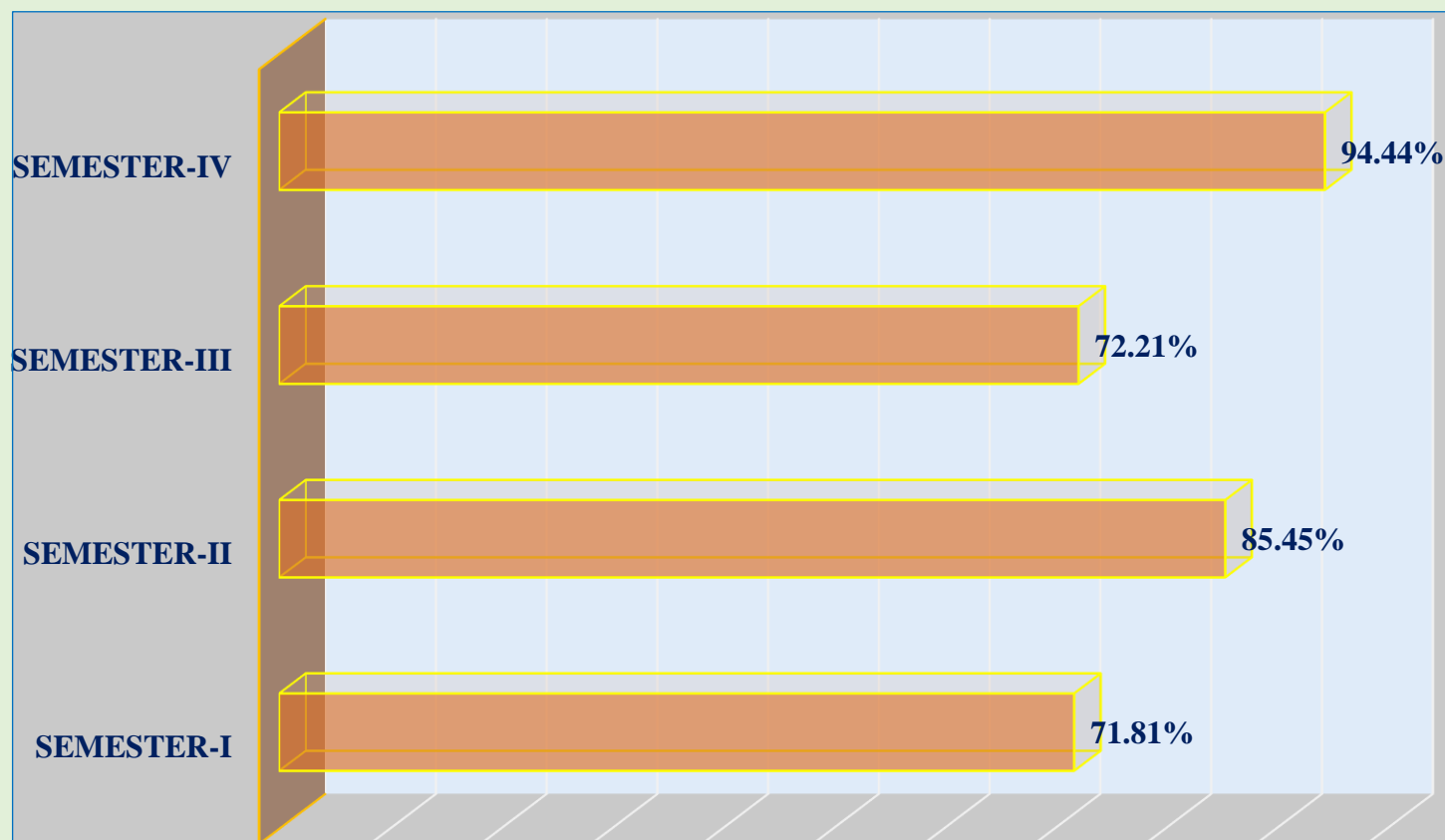
Subject	Course	% of enrolled students those have scored $\geq 50\%$ marks in the final examination $(A+B+C) \times 100 / \text{Appeared students}$	Cos Attainment Level as per benchmarks
BSc Zoology	Sem-I	71.81	Level 2
	Sem-II	85.45	Level 3
	Sem-III	72.21	Level 2
	Sem-IV	94.44	Level 3





Dr. M Zuber Shaikh
 Head, Department of Zoology
 RFNS, Senior Science College,
 Akkalkuwa, Dist. Nandurbar (M.S.)

Evaluation of Attainment of COs, PSOs and POs Through result Analysis
(2022-23)

**Department of Zoology
Result Analysis (2022-23)**




Dr. M Zuber Shalkh
Head, Department of Zoology
RFNS, Senior Science College,
Akkalkuwa, Dist. Nandurbar (M.S.)

Geography Department

Evaluation Report about Attainment of Course Outcomes (Cos) and programme Outcomes (Pos)

1. The department evaluates attainment of Cos by direct assessment and PSOs by indirect assessment of student's performance.
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The benchmarks defined for measurement of attainment levels are

Level of Attainment (LOA) of Cos	Benchmark for attainment
LOA-1	50% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-2	60% of enrolled students have scored $\geq 50\%$ marks in final Examination
LOA-3	70% of enrolled students have scored $\geq 50\%$ marks in final Examination

Course Name Geography SEM-I

Result Analysis of Semester End Examination

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	49	89.09	39	9	1	-	-
II	55	50	90.90	35	11	4	-	-
Total	110	99	89.99	74	20	5	-	-

$$A+B+C = 74+20+5=99$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 99 \times 100 / 110 = \mathbf{89.99\%}$

Course Name Geography SEM-II**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	55	51	92.72	49	1	1	-	-
II	55	52	94.54	48	2	2	-	-
Total	110	103	93.63	97	3	3	-	-

$$A+B+C= 97+3+3=103$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 103 \times 100 / 110 = 93.63\%$

Course Name Geography SEM-III**Result Analysis of Semester End Examination**

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	32	28	87.5	21	7		-	-
II	32	29	90.62	27	2		-	-
Total	64	57	89.06	48	9		-	-

$$A+B+C= 48+9+0=57$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 57 \times 100 / 64 = 89.06\%$

Course Name Geography SEM-IV

Result Analysis of Semester End Examination

A-No. of Students those who have scored $\geq 75\%$ marks

B-No. of Students those who have scored $\geq 60\%$ marks but $< 75\%$ marks

C-No. of Students those who have scored $\geq 50\%$ marks but $< 60\%$ marks

Paper	Appear	Pass	Percentage	A	B	C	D	E
I	32	31	96.87	28	2	1	-	-
II	32	31	96.87	29	2		-	-
Total	64	62	96.87	57	4		-	-

$$A+B+C = 57+4+1 = 62$$

Therefore % of students those have scored $\geq 50\%$ in final examination is
 $= 62 \times 100 / 64 = 96.87\%$

Attainment table for the Academic Session 2022-23

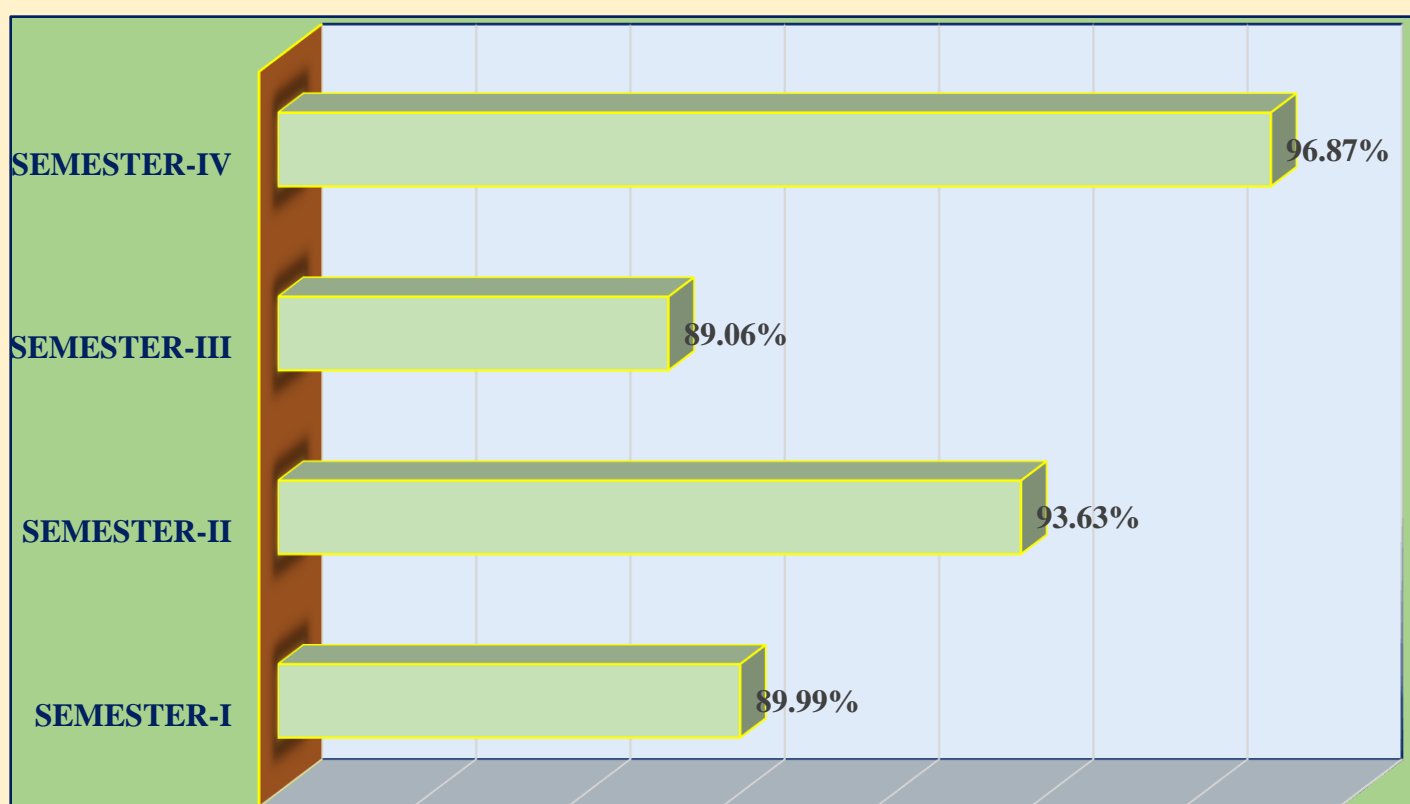
Subject	Course	% of enrolled students those have scored $\geq 50\%$ marks in the final examination $(A+B+C) \times 100 / \text{Appeared students}$	Cos Attainment Level as per benchmarks
BSc Geography	Sem-I	89.99	Level 3
	Sem-II	93.63	Level 3
	Sem-III	89.06	Level 3
	Sem-IV	96.87	Level 3



Geude
Head
Department of Geography
RFNS, Senior Science College
Akkalkuwa Dist. Nandurbar

Evaluation of Attainment of COs, PSOs and POs Through result Analysis
(2022-23)

**Department of Geography
Result Analysis (2022-23)**



Grade
Head
Department of Geography
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