



Estd. 1962
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NAAC (2021)
With CGPA 3.52

**SHIVAJI UNIVERSITY, KOLHAPUR - 416004,
MAHARASHTRA**

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शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४, महाराष्ट्र

दूरध्वनी-ईपीएबीएक्स -२६०९०००, अभ्यासमंडळे विभाग दूरध्वनी ०२३१-२६०९०९४

०२३१-२६०९४८७



संदर्भ क्र.: शिवाजी वि./अमं/626

दिनांक : ०६/११/२०२५.

प्रति,

- | | |
|--|--|
| 1 मा.प्राचार्य/संचालक,
सर्व संलग्नित महाविद्यालये/मान्यताप्राप्त संस्था,
शिवाजी विद्यापीठ, कोल्हापूर | 2 मा. अधिविभाग प्रमुख,
सर्व अधिविभाग
शिवाजी विद्यापीठ, कोल्हापूर |
|--|--|

विषय : राष्ट्रीय शैक्षणिक धोरण, 2020 शैक्षणिक वर्ष, 2025-26 पासून बी.एस्सी. व एम.एस्सी. प्रथम वर्षापासून 60:40 नुसार सुधारित प्रश्नपत्रिका स्वरूपाबाबत.

- संदर्भ :** 1. जा.क्र. शिवाजी वि./अ.मं./578 दि. 20/09/2025.
4. जा.क्र. शिवाजी वि./अ.मं./610 दि. 09/10/2025.
5. जा.क्र. शिवाजी वि./अ.मं./616 दि. 14/10/2025.

महोदय/महोदया,

उपरोक्त विषयास अनुसरून आपणास आदेशान्वये कळविण्यात येते की, विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार राष्ट्रीय शैक्षणिक धोरण, 2020 नुसार शैक्षणिक वर्ष, 2025-26 पासून लागू करण्यात आलेल्या बी.एस्सी. व एम.एस्सी. प्रथम वर्षापासून 60:40 नुसार प्रश्नपत्रिका स्वरूप सुधारित करण्यात आले आहे.

सोबत जोडलेल्या सुधारित प्रश्नपत्रिका स्वरूपानुसार पुढील योग्य ती कार्यवाही करण्यात यावी तसेच सर्व संबंधित विद्यार्थी व शिक्षकांच्या निदर्शनास आणून द्यावे ही विनंती.

कळावे,

आपला विश्वासू

(डॉ. सं. मो. कुबल)
उपकुलसचिव

- प्रत : 1. मा. अध्यक्ष, सर्व अभ्यास व अस्थायी मंडळे,
2. मा. संचालक, परीक्षा व मूल्यमापन मंडळ कार्यालयास.
3. मा. संचालक, दूरस्थ व ऑनलाईन शिक्षण केंद्र.
4. परीक्षक नियुक्ती ए व बी विभागास.
5. बी.एस्सी.-एम.एस्सी. परीक्षा विभागास.
6. संगणक केंद्र/आय. टी. सेल विभागास.
7. पात्रता विभागास
8. आय.क्यु.ए.सी. विभागास
9. संलग्नता टी 1 व टी 2 विभागास
11. पी.जी. प्रवेश विभागास

माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी.

SHIVAJI UNIVERSITY, KOLHAPUR.



Established: 1962

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NATURE OF QUESTION PAPER AND SCHEME OF MARKING

For all B.Sc. and M.Sc. Degree Programme from First Year

60:40 PATTERN

Under Faculty of Science and Technology

To be implemented from June, 2025 onwards.

B. Sc. PROGRAMME
RULES FOR 60:40 EVALUATION PATTERN
To be implemented from June 2025
Nature of question paper and scheme of marking:

a) Theory (Semester exam) for each Theory paper: Maximum marks – 30

Modality of Assessment

Students appearing for the B.Sc. will be evaluated as per the 60:40 scheme where in the term end examination will be of 30 marks each paper, while 20 marks will be through internal evaluation for each paper.

A. Theory Examination

- ✓ Equal weightage shall be given to all units of the theory paper
- ✓ Total number of questions – 03
- ✓ Question No. 1 will be of an objective type. 10 objective questions will carry-10 Marks.
- ✓ Question No. 2 will be descriptive. One question to be attempted out of two and will carry 10 Marks.
- ✓ Question No. 3 will be short answer type. Two questions are to be attempted out of three questions and will carry 10 Marks, 05 Marks each.
- ✓ **Nature of questions** - Multiple choice, Descriptive and Short answer type.
- ✓ All these questions will be answered in the same answer book.

Semester End Theory Assessment 30 marks

- The duration of this exam will be of 1 and half Hrs (90 minutes)
- From each unit there will be at least one question asked.
- All questions shall be compulsory with internal choice within the questions

Nature of question paper (for 2 Credit Course)

Total Marks: 30

Time: 1 and half Hrs (90 minutes)

Instructions:

1. All questions are compulsory.
2. Figures to the **RIGHT** indicate **FULL MARKS**.

Q.1 Select Correct Answer (Multiple choice questions) ---- 10 marks

- a)
- b)
- :
- :
- j)

Q.2 Attempt any **ONE** of the following.

(Essay type / Broad answer questions) ---- 10 marks

- a)
- b)

Q.3 Attempt any **TWO** of the following ---- 10 marks

- a)
- b)
- c)

b) Theory (Semester exam) for each Theory paper: Maximum marks – 60

Modality of Assessment

Students appearing for the B.Sc. will be evaluated as per the 60:40 scheme where in the term end examination will be of 60 marks each paper, while 40 marks will be through internal evaluation for each paper.

B. Theory Examination

- ✓ Equal weightage shall be given to all units of the theory paper
- ✓ Total number of questions – 04
- ✓ Question No. 1 will be of an objective type. 8 objectives will carry- 8 Marks.
- ✓ Question No. 2 will be short notes. Two question to be attempted out of two and will carry 4 Marks.(2 marks for each question)
- ✓ Question No. 3 will be of descriptive answer type. 4 questions are to be attempted out of 6 questions and will carry 16 Marks.(04 Marks for each question)
- ✓ Question No. 4 will be of descriptive answer type. 4 questions are to be attempted out of 6 questions and will carry 32 Marks.(08 Marks for each question)
- ✓ **Nature of questions** - Multiple choice, Short answer type and Descriptive type.
- ✓ All these questions will be answered in the same answer book.

Semester End Theory Assessment 60 marks

- The duration of this exam will be of 2 Hrs
- From each unit there will be at least one question asked.
- All questions shall be compulsory with internal choice within the questions

Nature of question paper (for 4 Credit Course)

All Questions are compulsory

Time duration (2 hours)

Total Marks: 60

Q. 1. Select the correct answers: MCQ

1 x 8 = 8

- | | |
|------|-------|
| i) | ii) |
| iii) | iv) |
| v) | vi) |
| vii) | viii) |

Q. 2. Write short notes on:

2 x 2 = 4

- | | |
|----|----|
| a) | b) |
|----|----|

Q. 3. Answer any four of the following:

4 x 4 = 16

- a)
- b)
- c)
- d)
- e)
- f)

Q.4. Answer any four of the following:

8 x 4 = 32

- a)
- b)
- c)
- d)
- e)
- f)

B. Internal Assessment 40%

Level	Semester	Activities Per Semester	4 credits	2 credits
4.5 (First year)	I & II	1 Home Assignment	10 marks	5 marks
		2 Class Assignment (Tutorial type)	10 marks	5 marks
		3 Quiz	10 marks	5 marks
		4 Midterm Test *	10 marks	5 marks
5.0 (Second Year)	III & IV	1 Oral Examination	10 marks	5 marks
		2 Group Discussion	10 marks	5 marks
		3 Seminar	10 marks	5 marks
		4 Midterm Test*	10 marks	5 marks
5.5 (Third Year)	V & VI	1 Case Study / Problem solving	10 marks	5 marks
		2 Field Work / Seminar	10 marks	5 marks
		3 Book Review / Poster Presentation	10 marks	5 marks
		4 Midterm Test*	10 marks	5 marks
6.0 (Fourth Year)	VII & VIII	1 Seminar	10 marks	5 marks
		2 Case Study/ Problem Solving	10 marks	5 marks
		3 Book Review / Poster Presentation	10 marks	5 marks
		4 Midterm Test*	10 marks	5 marks

Midterm test*: A midterm test shall be conducted after end of the each Semester.

Note:

1. For two credit course, unit test of 10 marks shall be conducted and it is converted into 5 marks.
2. For four credit course, unit test of 10 marks shall be conducted.
3. Book Review (Any relevant Reference Book)

PRACTICAL EXAMINATION

- There will be semester wise practical examination to be conducted at the end of each semester. The question paper along with marking scheme and skeleton / Question paper will be given by respective BOS before practical examination.
- Practical examination will be evaluated by two internal examiners.
- Internal examiners are from respective college fulltime regular faculty. If fulltime regular faculty is not available in college, then principal of the college shall invite internal examiner from fulltime regular faculty appointed in nearby college.
- Duration of Practical Examination shall be decided by respective BOS.

Internal Examination Pattern for Practical Course as follows:

Sr. No.	Activity	Internal Evaluation	
		4 credits	2 credits
1	Assessment of Journal	10 marks	5 marks
2	Assessment of Regular Notebook	10 marks	5 marks
3	Attendance for every Practical	10 marks	5 marks
4	Test Based on Practical work (Conduct at least Two Test in Each Semester)	10 marks	5 marks
Total		40 marks	20 marks

M. Sc. PROGRAMME
RULES FOR 60:40 EVALUATION PATTERN
To be implemented from June 2025

Scheme for Assessment:

Total marks for each course shall be based on continuous assessments and semester-end examination. Combination of internal assessment (for theory course only) and semester- end examination for Post-graduate programmes will be as follows:

Total marks for each course = 100%

Internal Assessment = 40%

Semester-end Examination = 60%

Important: There shall be separate passing head for Internal Assessment and Semester-end Examination for both theory as well as practical courses.

A. Question Paper Pattern for the Semester-end Examination (Theory)

(The respective BOS shall select any one-question paper pattern from below)

i. Theory Examination of 4 Credit course (Total Marks: 60; Time: 2 hours)

(Total Marks: 60; Time: 3 hours Only for M.Sc. Mathematics and Mathematics with Computer Application)

Instruction: All the 5 questions are compulsory.

Q. 1: Any *one* of the following- 12 marks

a) Based on Unit I

b) Based on Unit I

Q. 2: Any *one* of the following- 12 marks

a) Based on Unit II

b) Based on Unit II

Q. 3: Any *one* of the following- 12 marks

a) Based on Unit III

b) Based on Unit III

Q. 4: Any *one* of the following- 12 marks

a) Based on Unit IV

b) Based on Unit IV

Q. 5: Any *four* of the following- 12 marks

a) Based on Unit I

b) Based on Unit II

c) Based on Unit III

d) Based on Unit IV

e) Based on Unit I/II

f) Based on Unit III/IV

OR

i) Theory Examination of 4 Credit course (Total Marks: 60; Time: 2 hours)

(Total Marks: 60; Time: 3 hours Only for M.Sc. Mathematics and Mathematics with Computer Application)

Instruction: All the 5 questions are compulsory.

Q. 1: Any *one* of the following- 12 marks

a) Based on Unit I

b) Based on Unit I

OR

a) Based on Unit I

b) Based on Unit I

Q. 2: Any *one* of the following- 12 marks

a) Based on Unit II

b) Based on Unit II

OR

a) Based on Unit II

b) Based on Unit II

Q. 3: Any *one* of the following- 12 marks

a) Based on Unit III

b) Based on Unit III

OR

a) Based on Unit III

b) Based on Unit III

Q. 4: Any *one* of the following- 12 marks

a) Based on Unit IV

b) Based on Unit IV

OR

a) Based on Unit IV

b) Based on Unit IV

Q. 5: Objective type questions (6)- 12 marks

Multiple choice questions/ Fill in the blanks/ True – false / One line answer, etc.

(The respective BOS shall select any one-question paper pattern from below)

ii. Theory Examination of 2 Credit course (Total Marks: 30; Time: 1 and half hours)

Instruction: All the 3 questions are compulsory.

Q. 1: Any *one* of the following- 12 marks

a) Based on Unit I

b) Based on Unit I

Q. 2: Any *one* of the following- 12 marks

a) Based on Unit II

b) Based on Unit II

Q. 3: Any *two* of the following- 6 marks

a) Based on Unit I

b) Based on Unit II

c) Based on Unit I

d) Based on Unit II

OR

ii. Theory Examination of 2 Credit course (Total Marks: 30; Time: 1 and half hours)

Instruction: All the 3 questions are compulsory.

Q. 1: Any *one* of the following- 12 marks

a) Based on Unit I

b) Based on Unit I

OR

a) Based on Unit I

b) Based on Unit I

Q. 2: Any *one* of the following- 12 marks

a) Based on Unit II

b) Based on Unit II

OR

a) Based on Unit II

b) Based on Unit II

Q. 3: Objective type questions (3)- 6 marks

Multiple choice questions/ Fill in the blanks/ True – false / One line answer, etc.

B. Question Paper Pattern for the Semester-end Examination (Practical)

(The respective BOS shall select any one-question paper pattern from below)

i. Practical Examination of 4 Credit course (Total Marks: 60; Time: Minimum 6 hours)

Q. 1. Major Experiment/ Question- 40 marks

Q. 2. Minor Experiment/ Question- 20 marks

OR

i. Practical Examination of 4 Credit course (Total Marks: 60; Minimum 6 hours)

Q. 1. Major Experiment/ Question - 20 Marks

Q. 2. Major Experiment/ Question - 20 marks

Q. 3. Minor Experiment/ Question - 10 marks

Q. 4. Minor experiment/ Question/ Spotting/ etc.- 10 marks

ii. Practical Examination of 2 Credit course (Total Marks: 30; Time: 3 to 4 hours)

Q. 1. Major Experiment/ Question- 20 marks

Q. 2. Minor Experiment/ Question- 10 marks

OR

ii. Practical Examination of 2 Credit course (Total Marks: 30; Time: 3 to 4 hours)

Q. 1. Major Experiment/ Question - 16 Marks

Q. 2. Minor Experiment/ Question - 08 marks

Q. 3. Minor experiment/ Question/ Spotting/ etc.- 06 marks

C. Internal Assessment Process shall be as follows:

- i. The process of internal assessment should be conducted after completing 50% of syllabus of the course/s.
- ii. In case student has failed to attend internal assessment on scheduled date. It shall be deemed that the student has dropped the test. However, in case of student who could not take the test on scheduled date due to genuine reasons, such a candidate may appeal to the Programme Coordinator/ Principal/ Head of the Department. The Programme Coordinator/ Principal/ Head of the Department in consultation with the concerned teacher shall decide about the genuineness of the case and decide to conduct special test to such candidate on the date fixed by the concerned teacher but at least 15 days before the concerned semester-end examination.
- iii. The outline for continuous internal assessment activities of 'Theory Courses' at Post-graduate level shall be as under:

Level	Semester	Internal Assessment	Marks	
			4 Credits	2 Credits
6.0 First Year	1 and 2	1. Seminar	10	5
		2. Case study/ Problem Solving	10	5
		3. Book review/ Poster Presentation	10	5
		4. Midterm test*	10	5
6.5 Second Year	3 and 4	1. Group Discussion	10	5
		2. Research paper review	10	5
		3. Open book examination	10	5
		4. Midterm test*	10	5

Midterm test*: A midterm test shall be conducted after end of the each Semester.

- iv. The outline for continuous internal assessment activities of ‘**Practical Courses**’ at Post-graduate level shall be as under:

Level	Semester	Internal Assessment	Marks	
			4 Credits	2 Credits
6.0 First Year) and 6.5 (Second Year)	2, 3 and 4	1. Journal	10	5
		2. Attendance	10	5
		3. Oral	10	5
		4. *Report/ Seminar/ Model, etc.	10	5

***Report/ Seminar/ Model, etc.:** The student has to submit a separate report of Study tour/ Industrial visit/ Field visit/ etc. or submit a separate model or perform separate seminar as per the case may be.

D. Assessment of On Job Training (OJT):

- i. The student shall join and complete the On Job Training as below:

Internship	Schedule	Duration	Activities	Credits
Summer Internship	After 2 nd Semester	4 – 6 weeks	Industrial/ Govt./ NGO/ MSME/ Rural Internship/ Innovation / Entrepreneurship, etc.	4

- ii. After successful completion of On Job Training (OJT) the assessment for 100 marks shall be done by External and Internal Examiners as under:

Sr. No.	Particular	Marks
1	Quality and effectiveness of presentation	10
2	Depth of knowledge and demonstration skills	10
3	Variety and relevance of learning experience	10
4	Practical applications and relationships with concepts taught	10
5	Internship Report	30
6	Attendance record, student log, supervisor evaluation	30

E. Assessment of Research Project/ Field Project:

- i. After successful completion of Research Project/ Field Project the assessment for 100 marks (4 credits)/ 150 marks (6 credits) shall be done by External and Internal Examiners as under:

Sr. No.	Particular	100 Marks	150 Marks
1	Quantum and quality of work	25	40
2	Presentation	25	40
3	Report	25	35
4	Oral/ Discussion/ Question-answer, etc.	25	35

F. Minimum marks required for Passing:

Sr. No.	Total marks	Passing percentage	Passing marks
1	100	40	40
2	60	40	24
3	50	40	20
4	40	40	16
5	30	40	12
6	20	40	08

G. Determination of CGPA, Grading and declaration of results:

Shivaji University has adopted 10 point Grading System as follows:

a) In each semester, marks obtained in each course (Paper/ Practical) are converted to grade points:

- If the total marks of the course are 100 and passing criteria is 40%, then use the following Table 1 for the conversion.
- If total marks of any of the course are 50 and passing criterion is 40%, then marks obtained are converted to marks out of 100 as below and then grade points are computed using Marks out of 100 as per Table 1.

$$\text{Marks out of 100} = \frac{\text{Marks obtained by student in that course}}{\text{Total marks of that course}} \times 100$$

Table 1: Conversion of Marks out of 100 to grade point

Sr. No.	Marks Range out of 100	Grade point	Letter grade
1	80 – 100	10	O: Outstanding
2	70 – 79	9	A+: Excellent
3	60 – 69	8	A: Very Good
4	55 – 59	7	B+: Good
5	50 – 54	6	B: Above Average
6	45 – 49	5	C: Average
7	40 – 44	4	P: Pass
8	0 – 39	0	F: Fail
9	Absent	0	Ab: Absent

Table 2: Conversion of Marks out of 50 to grade point

Sr. No.	Marks Range out of 50	Grade point	Letter grade
1	40 – 50	10	O: Outstanding
2	35 – 39	9	A+: Excellent
3	30 – 34	8	A: Very Good
4	28 – 29	7	B+: Good
5	25 – 27	6	B: Above Average
6	23 – 24	5	C: Average
7	20 – 22	4	P: Pass
8	0 – 19	0	F: Fail
9	Absent	0	Ab: Absent

b) Computation of Semester Grade Point Average (SGPA):

Based on the grade points earned in each course in each semester, *Semester Grade Point Average (SGPA)* is computed as follows:

The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student in that semester and the sum of the number of credits of all the courses undergone by a student in that semester. The SGPA of the i^{th} semester is denoted by S_i . The formula is given by

$$SGPA\ of\ semester\ i = S = \frac{\sum_{j=1}^k c_j \times G_j}{\sum_{j=1}^k c_j}$$

$$i = \frac{\sum_{j=1}^k c_j}{\sum_{j=1}^k c_j}$$

c) Computation of Semester Grade Point Average (SGPA) :

Based on the SGPA of each semester, Cumulative Grade Point Average (CGPA) is computed as follows:

The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programmed,

$$CGPA = \frac{\sum_{i=1}^m C_i \times S_i}{\sum_{i=1}^m C_i}$$

where C_j is the number of credit of j^{th} course, G_j is the grade points earned in the j^{th} course and k be the number of courses in i^{th} semester.

Where C_i is the total number of credits in i^{th} semester, S_i is the SGPA of i^{th} semester and m is the number of semesters in the programme.

d) Based on CGPA, final letter grade is assigned as below:

Table 3: Final Cumulative Grade Point Average (CGPA) and Final Grade for course

Sr. No.	CGPA Range	Grade	Grade Descriptions
1	9.50 – 10.00	O	Outstanding
2	8.86 – 9.49	A+	Excellent
3	7.86 – 8.85	A	Very Good
4	6.86 – 7.85	B+	Good
5	5.86 – 6.85	B	Above Average
6	4.86 – 5.85	C	Average
7	4.00 – 4.85	P	Pass
8	0.00 – 3.99	F	Fail
9	Nil	AB	Absent

Remarks:

1. B+ is equivalent to 55% marks and B is equivalent to 50 % marks. The final later grade is based on the grade points in each course of entire programme and not on marks obtained each course of entire programme.
2. The SGPA and CGPA shall be round off to two decimal points.