SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE

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PART- TWO

(Extra-Ordinary)

Wednesday, the 25th June, 2025

NOTIFICATION

No. 79 /2025 Date: 25th June, 2025

Subject: Examination Pattern and Instructions to the Paper Setters
BSc- UGProgrammeas per Scheme under NEP 2020.

It is notified for general information of all concerned that the National Education Policy– 2020 hasbeen implemented from the Academic Session 2024-2025. The Scheme of Teaching, Learning,Examination & Evaluation, syllabi and concerned Direction has been published on Website,similarly, the instructions to the Paper Setters approved by Hon'ble Vice – Chancellor asrecommended by the Monitoring Committee constituted by Faculty of Science and Technology are as follows:

Sd/-
(Dr.A.M.Asanare)
Registrar
Sant Gadge Baba Amravati University

1. The duration of University theory examination shall be of **Two hours** or appropriate hours as prescribed in the syllabus/curriculum of the pertinent course
2. The Maximum Marks for the Question Paper shall be **30**
3. The Question Paper shall consist of Short Answer type and Long Answer type questions.
4. Examiner shall set Long answer type Questions and Short Answer type Questions as specified in the following Table or as applicable as per the curriculum.
5. There shall be internal choice for Short-Answer type Question as well as Long Answer type Question for every Unit.
6. The Question paper should be set based on the Course Outcomes (COs) defined in the curriculum and setter shall ensure that all the outcomes are addressed through appropriate questions. Read and study the Course Outcomes of a paper/subject/course very carefully.
7. The Questions should help to measure attainment of their corresponding Course Outcomes as prescribed in the syllabus/curriculum. All questions must be mapped to their related Course Outcomes.
8. Questions paper should try to address the different levels of learning (Bloom's Taxonomy) i.e. Knowledge/Remembering, Understanding, Applying, Analyzing, Evaluating and Creating
9. All Units mentioned in the course should be covered with equal weightage. The question paper shall be set so as to cover the entire syllabus of the respective course (paper).
10. The degree of difficulty of the question paper should be such that a student, who has engaged himself in the continuous learning process should be able to clear with ease. However, for scoring further his all-round knowledge and skills should be tested.
11. Model Solutions/answers to the short answer type questions and long answer type questions and scheme of marking for all question shall be submitted along with the question paper in a separate envelope.
12. Please ensure that the total marks for a course/subject/paper amounts to the prescribed total as notified in the scheme/curriculum. The total number of marks available for each question and each part of a question should be shown in the mark scheme and must tally with the marks shown on the question paper.
13. Avoid Questions like "Write short notes on …"

14. The question paper should be precise and should be designed such that the questions:
    a) are unambiguous
    b) are asked for appropriate marks
    c) The questions should be serially numbered as 01, 02, 03, 04, 05, 06 etc.
    d) Sub-questions, if any, shall be numbered as A,B,C,D,… continuously for all Units
    e) It must be ensured that all questions are from within the prescribed syllabus
    f) The paper setters should specify whether any Charts, Graphs, Tables, Codes, Books etc. are to be provided to the students. The use of which shall be permitted duringthe actual conduct of the examination.
15. For Short-Answer type Questions, ensure that:
    - the item calls for a single, brief answer
    - the item has been written as a direct question
    - the desired response is related to the main point of the item
    - clues to the answer have been avoided (e.g. “a” or “an”, length of the blank)
    - the units and degree of precision is indicated for numerical answers.
16. For Long Answer type questions, make sure that:
    - questions starting questions with “who”, “what”, “when”, “where”, “name”, “list” are avoided as these terms limit the response.
    - questions must follow Bloom’s taxonomy with inclusion of following levels:

Table 1: Sample Terms for inclusion in Questions

Outcome	Sample Terms
Comparing	Compare,classify,describe,distinguishbetween,explain,outline,summarize, etc.
Interpreting	Convert,draw,estimate,illustrate,interpret,restate,summarize,translate, etc.
Inferring	Derive, draw, estimate, extend, extrapolate, predict, propose, relate, etc.
Applying	Arrange,compute,describe,demonstrate,illustrate,rearrange,relate, summarize, etc.
Analyzing	Breakdown,describe,diagram,differentiate,divide,list,outline,separate, etc.
Creating	Compose, design, devise, draw, formulate, makeup, present, propose, etc.
Synthesizing	Arrange, combine, construct, design, rearrange, regroup, relate, write, etc.
Generalizing	Construct, develop, explain, formulate, generate, make, propose, state, etc.
Evaluating	Appraise, criticize, defend, describe, evaluate, explain, judge, write, etc.

Table 2. Distribution of Marks amongst Question paper

Total marks of Theory Paper	Marks for Long + Short Answer	Distribution of Unit wise Long/Short Answer type Questions
30	30	1. **Compulsory Question:** Two Very Short Type Questions Based on All Four Units, Total Eight Questions carrying 01 Mark Each out of with Compulsory 6 Questions to solve. 2. **Questions with Internal Choice of All Four Units:** a. **Long Answer: One or Two Units** Question of Maximum Marks 6 with internal Choice on One or Two Units as per the choice of Paper setter. b. **Short Answer: Two or Three Units** Short Questions of Maximum 3 Marks with Internal Choice on Two or Three Units.
		Q1: 6 Marks Based on All Units (Two Questions on Each Unit) Q2: 6 Marks Unit I Q3: 6 Marks Unit II Q4: 6 Marks Unit III Q5: 6 Marks Unit IV

Note: For a unit, an identical pattern of long and short answer shall be adhered forinternalchoice, that is 'either-or' questions shall be in same pattern.

Table 3: Model Question Paper Pattern

Sr. No of Questions	Questions	Marks allotted to each Question
	B.Sc. ___ (Botany)Semester- _____ Examination **NEP - 2020** **Paper Title As per Curriculum** **Time: Two Hours** **Total marks: 30** **N.B.:** (1) Question No 1 is compulsory (2) Draw well labelled diagrams whenever necessary. (3) Students may use various colors to signify answers.	
Q1:	**Write answers in One or Two Lines: (Solve any Six)** [Set two questions on each unit (Total Four units). Students should solve any six questions out of eight and each question carry one mark] i. ------- ii. ------- iii. ------- iv. ------- v. ------- vi. ------- vii. ------- viii. -------	**Max. Marks** (1x6) = **6**
Q. No. __	**Answers in short (Any Two of the Following)** [Paper Setter shall set Four Questions on Unit decided for Short Type Questions carrying 3 Marks Each. Students should solve any Two Questions out of Four]	3 Marks Each
A.		3
B.		3
C.		3
D.		3
Q. No. __	Explain in detail (Any One of the following) [Paper Setter shall set Two Questions on Unit decided for Long Type Questions carrying 6 Marks Each. Students should solve any One Questions out of Four]	6 Marks Each
E.		6
F.		6

Note:

1. Paper Setter Shall set First Compulsory Question with Eight very short Questions on all FOUR Units (Two on each Unit). Student
2. Paper Setter Shall set Two or Maximum Three Short Type and One or Maximum Two Long Type (either 6 Marks for One Question or 3 Marks each forFour Questions)
3. The Units from the Curriculum for Short and Long Type of Questions shall not be same for all the sets. Paper Setter shall decide it variably from the Units under the curriculum.
4. Avoid / Minimize the questions-based Fist level of learning as per Blooms Taxonomy like – Define, State, Quote, List the steps, Identify, Who Discovered, Name the parts of, Recite the rules for, etc.
5. **Strictly Avoid –**

Once the Question Type is decided and prefixed as Explain / Describe / Distinguish / in details then while setting sub questions under the same should not repeat the usage of the same

For Ex.

Q1: Describe in Details:

Sub question 1A: Describe functional aspects of F1 Particles

Sub question 1B: Explain Biosynthetic pathway of Pyruvic Acid

Sub question 1B: Distinguish between Aerobic and Anaerobic Respiration

Instead it should be:
Q1: Describe in Details:
Sub question 1A: Functional aspects of F1 Particles
Sub question 1B: Biosynthetic pathway of Pyruvic Acid
Sub question 1B: Features of Aerobic and Anaerobic Respiration

6. Consistency shall be maintained in sub questions as A, B, C, D, ... Z
   On exhaustion of the alphabets use AA, AB, AC, AD …. AZ in continuation for the further questions.

Guidelines for PG Research Project under NEP for Session 2024-25
M.Sc. (PG Courses) Session 2024-2025

Course Category: Research Project Phase-I & Research Project Phase-II
Course Name:M.Sc. (PG courses)
Total Credits:RP Phase-I (4), RP Phase-II (6)

Prerequisites:

- Conceptual Knowledge of Research
- Knowledge of Research Methodology
- Knowledge of Research Tools

Course Objectives:

1. To understand the research project development process.
2. To motivate students to undertake research projects and pursue innovations.
3. To cultivate a research and innovation mindset in students.
4. To create awareness about Design Thinking and innovative research idea generation.

Course Outcomes (CO):

Upon successful completion of the course, students will be able to:
CO1: Develop new research ideas and innovations.
CO2: Create innovative solutions for identified problems.
CO3: Use research tools effectively.
CO4: Develop feasible solutions aligned with Sustainable Development Goals (SDGs).

Guidelines:

1. The Project must be research-based and focus on innovation and problem-solving.
2. The research work needs to be carried out collaboratively and the topic shall be interdisciplinary in nature.
3. Each student is required to undertake an individual Research Project.
4. Students are responsible for regularly reporting the progress of their research project to their guide (Project In-charge).
5. The synopsis must be submitted within the timeframe provided by the Research Advisory Committee (RAC) or Departmental Research Committee (DRC).
6. Students must submit the Title and Synopsis (25-30 pages) in the prescribed format for approval by the RAC or DRC.
7. Plagiarism is strictly prohibited. Projects found to contain plagiarism will be rejected. The student must conduct the project independently.
8. Students must submit two copies of their final project report for examination. One hardbound copy should be submitted to the Department.
9. Internal evaluation for the research project will be conducted as follows:

SEMESTER III Internal Evaluation:

Component	**Marks**
Attendance	10
Innovativeness of Topic	10
Presentation of before RAC/DRC	10
Progress / objective achievements in proposed plan of research	10
Viva-Voce	10
Total	**50**

SEMESTER IV External Evaluation:

Component	**Maximum Marks**
Attendance	10
Collaboration/s / Interdisciplinary Nature of the Topic	10
Funding from Government/Non-Government organization for the research project, **or**Conversion into a startup, **or**Publication / Presentation / Communication of one Analytical/Result-oriented / Review Research paper in any College (02)/ University (05)/ State (07)/ NationalJournal/Conference (10)	10
Detailed Report Submission	20
Final Presentation of the Project	15
Viva-Voce	10
Total	**75**

DRC Schedule:

S.N.	**Activity**	**Date**
1.	Title Finalization	Last Week of Sept.
2.	Synopsis Submission	Second Week of Oct.
3.	RAC / DRC Meeting	Second Week of Oct.
4.	Seminar Presentation (RP Phase-I)	During Practical Exams
5.	RP Phase-II Experimentation & Result Demonstration - I	Second Week of Feb
6.	Demonstration - II	Third Week of Mar
7.	Report Writing and Submission	Last Week of April

Additional Guidelines:

- All students must adhere to the given schedule for submissions and presentations.
- Students should ensure that their research work is aligned with ethical research practices.
- The project report and synopsis should strictly follow the provided format for consistency.
- Students are encouraged to seek funding or support from relevant bodies and publish their research where applicable.

Formats of the Proposal and Report

Synopsis Format:	**Research Project Report Format:**
1. Title Page 2. Certificate 3. Acknowledgement 4. Index/Table of Contents 5. Abstract 6. Introduction 7. Motivation 8. Aims and Objectives 9. Literature Review 10. Methodology 11. Proposed System/Model 12. Applications 13. References	1. Title Page 2. Certificate 3. Acknowledgement 4. Index/Table of Contents 5. Abstract 6. Introduction 7. Literature Review 8. Methodology 9. Proposed System/Model 10. Implementation 11. Results and Discussion 12. Conclusion and Future Scope 13. References