



Jambatta

Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD [now MoE]
Re-accredited with an 'A++' Grade by NAAC CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test II – March 2026
IV SEMESTER

Class : II B.Ed.

Major: Education

23BEDP14-School Subject I- Professionalising Physical Science Education

Time: 2 Hours

Maximum Marks: 60

Course outcomes:

At the end of the course, students will:

- 1 Analyze the content and pedagogy of text books.
- 2 Analyze and evaluate textbooks.
- 3 Design and develop - content material.
- 4 Sense problems and find out solutions by conducting different types of research.
- 5 Organise different co-curricular activities to popularise science among students and society.

PART – A

Choose the correct answer

6 x 1 = 6

1. Which of the following is the first step in script writing for e-content? CO3 K1
 - a. Editing the video
 - b. Identifying learning objectives
 - c. Publishing the content
 - d. Recording narration
2. A storyboard in e-content development is used to CO3 K2
 - a. Increase internet speed
 - b. Plan the sequence of visuals and narration
 - c. Replace the script
 - d. Store multimedia files
3. Which of the following is a characteristic of research? CO4 K1
 - a. Subjectivity
 - b. Systematic investigation
 - c. Personal opinion
 - d. Random observation
4. Research conducted to solve immediate practical problems in the classroom is CO4 K3
 - a. Pure research
 - b. Applied research
 - c. Action research
 - d. Fundamental research
5. The main objective of a Science Club in a school is to: CO5 K2
 - a. Prepare students only for examinations
 - b. Promote interest and creativity in science
 - c. Increase classroom discipline
 - d. Replace classroom teaching
6. Which of the following is an example of science popularization? CO5 K3
 - a. Conducting laboratory practicals
 - b. Organizing a science exhibition
 - c. Writing class tests
 - d. Taking attendance

PART – B

Answer ALL questions

3 x 6= 18

Each answer should not exceed 400 words or Two Pages

7. a. What are the key elements to keep in mind when writing a script for e-content? CO3 K3

(or)
7. b. Explain the importance of script writing in the development of e-content material with suitable examples. CO3 K2
8. a. Bring out the characteristics of a researcher. CO4 K2

(or)
8. b. Explain the steps involved in conducting action research in the classroom. CO4 K4
9. a. As a science teacher, how will you organise a field trip? CO5 K2

(or)
9. b. Explain the structural and functional organisation of science club. CO5 K2

PART – C

Answer ALL questions

3 x 12 = 36

Each answer should not exceed 800 words or Four Pages

10. a. Design an e-content module for teaching a topic in your subject area. Include the key elements you would consider during script writing and content development. CO3 K6
- (or)
10. b. Discuss the process of developing an effective script for e-content in education. CO3 K2
11. a. Analyze the role of variables in educational research with suitable examples. CO4 K4
- (or)
11. b. Prepare a fundamental or applied research proposal for a topic from science education. CO4 K3
12. a. Discuss the importance of co-curricular activities in enhancing science learning among students. CO5 K4
- (or)
12. b. Explain how Science Quiz and Debates help in promoting scientific thinking among students. CO5 K3

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Staff in-charge: Dr.U.S.E.Porkodi