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/ II B.Ed Spl.Edn **Time: 2 Hours**
Major: Education/ Special Education **Maximum Marks: 60**

23BEDB14/23BDSB14- School Subject I- Professionalising Biological Science Education

Course outcomes:
At the end of the course, students will:

1 describe the importance of pedagogical content analysis and interpret the content of different Boards of Education
2 analyse and evaluate textbooks
3 design and develop e-content material
4 conduct action research
5 organise science exhibitions and science fairs

PART – A
Choose the correct answer **6 x 1 = 6**

1. Phases involved in e-content development include_____. CO3 K2
   a. Storyboarding, scripting, multimedia integration
   b. Content creation, editing, formatting
   c. Classroom teaching, testing, grading
   d. Planning, design, development, implementation, evaluation
2. Script writing for e-content is best described as_____. CO3 K2
   a. It focuses mainly on textual content only
   b. It is prepared after delivering the content
   c. It integrates text, visuals, audio, and interactive elements
   d. It ensures clear content
3. A key characteristic of research is_____. CO4 K1
   a. Systematic b. Random c. Casual d. Haphazard
4. The first step in action research is CO4 K1
   a. Report b. Test c. Write d. Identify
5. Science debates promote____. CO5 K1
   a. Communication skill b. Note-taking
   c. Critical thinking d. Passive listening
6. Nature rambling is done to_____. CO5 K1
   a. Document data b. Recreation
   c. Survey an area d. Field exploration

PART – B
Answer ALL questions **3 x 6 = 18**
Each answer should not exceed 400 words or Two Pages

7. a. Explain moderator variable with an example from education. CO3 K3
   (or)
7. b. Define research and explain the characteristics of research. CO3 K3
8. a. Differentiate between independent and dependent variables. CO4 K4
   (or)
8. b. Distinguish between pure research and applied research. CO4 K4
9. a. Your students show little interest in classroom learning. How can co-curricular activities improve their engagement? CO5 K4
   (or)
9. b. Discuss the merits and values of co-curricular activities in science learning. CO5 K3

PART – C
Answer ALL questions **3 x 12 = 36**
Each answer should not exceed 800 words or Four Pages

10. a. Describe the steps involved in script writing of an e-content module development. CO3 K3
    (or)
10. b. Describe the various phases involved in designing and developing an e-content module. CO3 K3

11.	a.	Elucidate the attributes of different types of variables with suitable example	CO4	K3
		(or)		
11.	b.	Write the procedure to conduct action research	CO4	K3
12.	a.	As a science teacher, prepare a detailed action plan for organizing a science club in your school.	CO5	K5
		(or)		
12.	b.	Prepare a structured plan for implementing nature rambling and maintaining a nature calendar in your school.	CO5	K5

No. of Copies: B.Ed: 10 + Spl Edn.: 5 = 15 **Staff in-charge: Dr. R. Sowbaraniga**