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 I–October 2025
III Semester

Class : II B.Ed. **Max. Marks: 60**
Time: 2 Hrs

23BEDP13 -School Subject I -Curriculum and Resources in Physical Science Education

Course outcomes

CO1 design a curriculum based on the different needs of students and society by keeping in mind the principles and approaches of curriculum development
CO2 prepare different teaching learning materials and use different technological gadgets for classroom instruction and management
CO3 design and maintain a science laboratory with all security measures
CO4 catalogue the periodicals and books in the library
CO5 construct and validate diagnostic test and achievement test

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

1. The term "curriculum" is derived from which language? CO1 K1
   a. Greek b. Latin c. French d. Arabic
2. The psychological approach to curriculum organisation focuses primarily on CO1 K2
   a. Content sequence
   b. Chronological order of events
   c. Learner's mental development and interests
   d. Teacher's convenience
3. Which of the following is considered a projected teaching aid in physical science? CO2 K2
   a. Chart b. Flash card c. OHP Slide d. Magnet
4. The visualiser is used to CO2 K2
   a. Record student attendance b. Project live documents or objects
   c. Create animations d. Print handouts
5. A science laboratory helps students to CO3 K2
   a. Memorize definitions
   b. Read only theory
   c. Develop practical skills and scientific attitude
   d. Avoid experiments
6. The essential requirement for a safe laboratory environment is CO3 K1
   a. Smartboard b. Fire extinguisher
   c. Charts d. Colourful walls

PART – B
Answer ALL questions **3 x 6= 18**
Each answer should not exceed 200 words

7. a. Explain PSSC and CHEM Study curricular models. CO1 K2
   (or)
7. b. Compare the subject-centered and learner-centered curriculum designs with examples. CO1 K4
8. a. Explain the need and importance of teaching-learning materials in physical science classrooms. CO2 K2
   (or)
8. b. Describe the educational role of mass media . CO2 K2
9. a. Explain the importance of a well-equipped physical science laboratory in secondary school education. CO3 K2
   (or)
9. b. Describe any five essential apparatus commonly found in a physical science laboratory and mention its uses. CO3 K4

PART – C
Answer ALL questions **3 x 12 = 36**
Answer should not exceed 800 words

10. a. Explain the concept of curriculum and principles of curriculum development. CO1 K2
    (or)
10. b. Discuss in detail the various approaches to curriculum organisation. CO1 K2
11. a. What is the difference between hardware and software in educational technology? Give two examples of each. CO2 K2
    (or)
11. b. Explain in detail the different types and importance of audio-visual aids. CO2 K2
12. a. Explain in detail the need, objectives, and importance of a physical science laboratory in school education. CO3 K2
    (or)
12. b. Design a science laboratory plan for a secondary school. CO3 K6

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