

**Avinashilingam Institute for Home Science and Higher Education for Women  
(Deemed to be University) Coimbatore – 641 043**

Bachelor of Education Degree Examination – November 2018  
III Semester

Class : II B.Ed.

Time: 3 Hrs  
Max. Marks: 100

**17BEDP13 School Subject I : Curriculum and Resources in  
Physical Science Education**

**Part – A  
Choose the Correct Answer**

**10 X 1 = 10**

- Curriculum is derived from the Latin word 'currere' which means,
  - Run
  - Book
  - Subject
  - School
- PSSC stands for
  - Physical Science Study Curriculum
  - Physical Science School Committee
  - Physical Science Study Committee
  - Practical Science Study Committee
- Cone of Experience was developed by
  - B.C. Mathis
  - Eric Ashby
  - Edgar Dale
  - Robert A. Cox
- Which one of the following comes under projected aid ?
  - OHP
  - Photographs
  - Flash cards
  - Charts
- Sodium must be kept in
  - Water
  - Kerosene
  - Alcohol
  - Air tight container
- Kipps apparatus is used to generate
  - Acids
  - Gases
  - Solutions
  - Compounds
- The magazine 'School Science' published by NCERT is a
  - Monthly
  - Quarterly
  - Half yearly
  - Annual
- The Science magazine 'Junior Scientist' is published from
  - Chennai
  - New Delhi
  - Mumbai
  - Bangalore
- The property of a test to produce stable and consistent result is called as
  - Validity
  - Reliability
  - Objectivity
  - Practicability
- The promotion of a student to the next class is based on
  - Achievement test
  - Diagnostic test
  - Prognostic
  - Proficiency test

**Answer the following questions****Answer should not exceed 400 words or two pages**

11. a. Give the different steps in curriculum development.  
(or)
11. b. Write a note on CHEM study.
12. a. Explain the importance of Audio Visual aids in teaching science.  
(or)
12. b. What are non projected aids? Discuss any one non projected aid that you have employed in your science class.
13. a. Discuss the rules to be followed by the students in a science laboratory.  
(or)
13. b. Explain any two improvised materials that can be used in your science laboratory.
14. a. What are science periodicals ? How it will help the students to enrich their studies ?  
(or)
14. b. Discuss the uses of library books and show how to maintain it ?
15. a. Differentiate diagnostic and achievement tests.  
(or)
15. b. What are the qualities of a good test ?

**Part – C****5 X 12 = 60****Answer the following questions****Answer should not exceed 800 words or four pages**

16. a. Explain the defects in the present curriculum and the demands of the present situation in curriculum development.  
(or)
16. b. Explain any three approaches in curriculum organization.
17. a. Define Educational Technology and explain in detail the Hardware and Software approach in Educational Technology.  
(or)
17. b. What do you mean by mass media? How will you use various mass media in teaching science ?  
(or)
18. a. Describe the important registers that are to be maintained in a science laboratory.  
(or)
18. b. Discuss the common accidents that could occur in a science laboratory and suggest suitable first aid to them.
19. a. Explain the different kinds of books that are kept in a science library.  
(or)
19. b. How will you use science library in teaching science at school level.
20. a. What do you mean by objective type test? Explain the different types of objective type test with their advantages and disadvantages.  
(or)
20. b. Construct an achievement test in science of your choice with a clear blue print for 50 marks.