



Maintained

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)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I - December 2021

I Semester

Class : I B.Ed
Major : Physical Science and English

Time : 2 Hrs.
Max. Marks : 60

21BEDP11 Introduction to Physical Science Education

Course Outcomes:

- CO1: gain knowledge on basic concepts of physical science
CO2: identify that science is related to other subjects
CO3: formulate objectives for teaching and learning science and use bloom's taxonomy for evaluation
CO4: familiarize with the development of science and appreciate the contribution of scientists
CO5: demonstrate the qualities and competencies required for a science teacher

Part – A

6 x 1 = 6

Answer ALL questions

- Physical science uses techniques of experimentation and _____ method to study and measure various physical effects. CO1 K2
 - Scientific
 - Deductive
 - Inductive
 - Heuristic
- 'Scientia' means CO1 K1
 - to invent
 - to discover
 - to innovate
 - to know
- The branch of science that deals with the study of nature and properties of element and compounds is CO1 K1
 - Physics
 - Chemistry
 - Botany
 - Zoology
- The story of moon implies a correlation between Science and----- CO2 K2
 - Geography
 - Archaeology
 - Mathematics
 - History
- What are the characteristics of a person with Scientific attitude CO1 K2
(i) Curiosity (ii) Honesty (iii) Perseverance (iv) Superstitious.
Select the correct answer from the codes given below:
 - (i), (ii), (iii) and (iv)
 - (ii), (iii) and (iv)
 - (i), (ii) and (iii)
 - (ii) and (iv)
- What is the value associated with the "Eureka experience"? CO2 K3
 - Social value
 - Practical value
 - Psychological value
 - Aesthetic value

Part – B

3 x 6 = 18

Answer ALL Questions

Answer should not exceed 400 words or two pages

7. a. Bring out the importance of learning science. CO1 K2
(or)
7. b. Define the following terms and give two examples for each. CO1 K2
a. Scientific vocabulary
b. Scientific Concept
c. Scientific generalisation
8. a. Explain the concept of interdisciplinary approach. CO2 K2
(or)
8. b. What are the merits and demerits of interdisciplinary approach CO2 K2
9. a. Differentiate general objectives and specific objectives. CO3 K2
(or)
9. b. Differentiate aims and objectives. (6 differences) CO3 K2

Part – C

3 x 12 = 36

Answer the following

Answer should not exceed 800 words or four pages

10. a. With suitable illustrations, explain the different values that could be developed by learning science. CO1 K3
(or)
10. b. As a science teacher how can you develop positive attitude towards science in your students? CO1 K3
11. a. Define Correlation in Science. Explain the different types of correlation with examples. CO2 K2
(or)
11. b. With an example, explain how CO2 K2
a. different branches of science are correlated
b. mathematics and social science are correlated with science
12. a. Explain the different aims of teaching Physical Science with suitable illustrations CO3 K3
(or)
12. b. Define instructional objectives. Explain the change of emphasis on aims from the primary level to high school level. CO3 K3

Staff incharge : Dr.H Indu