

AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION
FOR WOMEN, Coimbatore – 641 043.

Continuous Internal Assessment Test I - February 2020

Semester IV

Class: II B.Ed

Time :2 Hrs

Max. Marks : 60

18BEDP14/18BDSP14 School Subject I: Professionalising Physical Science Education

Course Outcomes

1. analyse the content and pedagogy of text books
2. analyse and evaluate text books
3. design and develop e - content material
4. conduct an action research
5. organise science exhibitions and science fairs

PART – A

Choose the correct answer

5 x 1 = 5

1. 'Paidos' means
a. lead b. student c. child d. guide
CO1 K2
2. The ideal Fog index score for a textbook is
a. 7 b. 12 c. 14 d. 9
CO2 K2
3. A readability index is an estimation of how ----- a text is to read
a. difficult b. indifferent c. easy d. creative
CO2 K3
4. Which variable can be manipulated by the researcher?
a. Independent b. Natural b. Dependent Extraneous
CO4 K4
5. "Effect of heat and temperature on boiling point". In this study the dependent variable is
a. Heat b. boiling point c. temperature d. heat and temperature
CO4 K4

PART – B

Answer the following in one or two sentences

5 x 2 = 10

6. Is it compulsory to have a science text book in lower classes? Justify your answer.
CO1 K2
7. Define Content analysis.
CO2 K2
8. What are the different types of variables used in research ?
CO4 K3
9. List out the different criteria included in Hunter's Score card.
CO2 K2
10. What is the purpose of action research?
CO4 K3

PART – C

Answer All the Questions

3 x 5 = 15

Answer should not exceed 200 words or one page

11. a. What are the objectives of Pedagogical Analysis?
(or)
CO1 K2
11. b. Enumerate the advantages of pedagogic analysis.
CO1 K2
12. a. Discuss the ways of using text book outside the classroom.
(or)
CO2 K3
12. b. Compare NCERT text book and Tamil Nadu State Board text book of any grade/standard.
CO2 K3
13. a. List out the essential characteristics of a good researcher.
(or)
CO4 K3
13. b. Differentiate fundamental research and applied research.
CO4 K3

PART – D

Answer All the Questions

Answer should not exceed 700 words or four pages

2 x 15 = 30

14. a. Choose the best checklist that could be used for analysing the quality of a text book and explain how the text book is analysed.
(or)
CO1 K4
14. b. Explain the different criteria to be followed in the selection a school text book
CO2 K4
15. a. Define Research. Discuss the various types of research.
(or)
CO4 K3
15. b. Design a project proposal for action research in science teaching
CO4 K4