

**AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER
EDUCATION FOR WOMEN
Coimbatore - 641 043.**

**Continuous Internal Assessment Test I - February 2019
Semester IV**

Class: II B.Ed

**Time :2 Hrs
Max. Marks : 60**

17BEDP14/~~17BDDSP14~~ School Subject I: Professionalising Physical Science Education

PART - A

Choose the correct answer

5 x 1 = 5

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

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.
7. Define research.
8. What are the steps in Content analysis?
9. List out the different criteria included in Hunter's Score card.
10. Give any two examples for moderator variable.

PART - C

Answer the following questions

Answer should not exceed 200 words or one page

3 x 5= 15

11. a. Define Pedagogic analysis. What are its objectives?
(or)
11. b. What are the advantages of pedagogic analysis?
12. a. Describe the ways of using text book outside the classroom.
(or)
12. b. Compare NCERT text book and Tamil Nadu State Board text book of any grade/standard.
13. a. List out the characteristics essential for a good researcher.
(or)
13. b. Differentiate fundamental research and applied research.

PART - D
Answer the following

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 books are analysed.

(or)

- 14 b Explain the different criteria to be followed in the selection a school text book.

- 15 a What are the steps involved in Pedagogic analysis? For the given content from VIII standard Tamil Nadu state text book conduct pedagogic analysis.

Can you lift a pot of water without holding it? Can you push this table without touching it? Generally, to apply force on an object, we need to come in contact with that object. A force that can cause or change the motion of an object by touching it is called Contact Force. In the above activities, the force is caused by the action of muscles. Hence this force is known as muscular force. Do you agree that muscular force is a contact force? Are there other types of contact forces? Come, let us find out. A ball rolling on the play ground gradually slows down and comes to rest. If the ground is made smooth, the distance covered by the ball would be more than that what was covered earlier. Why? In the above activities, the force is caused by the action of muscles. Hence this force is known as muscular force. Do you agree that muscular force is a contact force? Are there other types of contact forces? Come, let us find out. A ball rolling on the play ground gradually slows down and comes to rest. If the ground is made smooth, the distance covered by the ball would be more than that what was covered earlier. Why?

(or)

- 15 b Design a project proposal for action research in science teaching