

(Pages : 4)

L – 6542

Reg. No. :

Name :

First Semester B.Ed. Degree Examination, August 2021

**EDU 05.8 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS –
PHYSICAL SCIENCE**

(2019 Admission onwards)

Time : 2 Hours

Max. Marks : 50

PART – A

- I. Answer **all** questions by selecting the most appropriate one from the options given.
1. Use of positive verbal reinforces : Skill of Reinforcement; Voice Modulation
- (a) Skill of Explaining
 - (b) Skill of Demonstration
 - (c) Skill of Questioning
 - (d) Skill of Stimulus variation
2. If you want more details regarding a particular topic it is better to go through a/an
- (a) Resource Unit
 - (b) Year plan
 - (c) Unit Plan
 - (d) Lesson plan

P.T.O.

3. Which of the following is a graphic aid?
- (a) Globe
 - (b) Improvised aid
 - (c) Chart
 - (d) Model
4. Pedagogue means
- (a) Method of Teaching
 - (b) Practice of Teaching
 - (c) Teacher
 - (d) Taught
5. Which of the following is not a fact?
- (a) Copper is a metal
 - (b) The SI unit of Energy is Joule
 - (c) Metals conduct electricity
 - (d) Uranium is radioactive

(5 × 1 = 5 Marks)

PART – B

- II. Answer **all** questions in **1** word or **1** phrase.
6. What are audiovisual aids?
7. Write the details of any one reference book in Physical Science.

8. Write the expansion of PCK.
9. What do you mean by Link Practice?
10. List out any one advantage of Supplementary readers.

(5 × 1 = 5 marks)

PART – C

III. Answer **all** questions not exceeding in **1** paragraph. Each question carries **2** marks.

11. Prepare an introduction for a lesson on Periodic table.
12. Construct a matching test item to make four matches in any topic from Physics or Chemistry.
13. Cite four local resources that can be utilized while transacting the topic Electricity.
14. What are the very essential pre requisites for learning the concept of momentum?
15. What do you mean by resource mapping?

(5 × 2 = 10 Marks)

PART – D

IV. Answer **any four** questions not exceeding in $1\frac{1}{2}$ pages. Each question carries **5** marks.

16. Good lesson planning is key to successful teaching. Justify.
17. How will you demonstrate to your students the difference between Physical change and Chemical change?
18. Explain the role of Improvised aids in Science learning.

19. Write five questions you would ask while develop the lesson on Refraction of light.
20. Write a micro lesson plan on any one of the teaching skill on any topic of your choice.
21. Write the chalk board summary for a lesson on “Hydrocarbon”.

(4 × 5 = 20 Marks)

PART – E

V. Answer **any one** question not exceeding **3** pages.

22. Give a pedagogic content knowledge analysis of any one of the following :

(a) Chemical bonding

(b) Gas Laws

23. Write a lesson plan for a period of 40 minutes on

(a) Solutions

OR

(b) States of matter.

(1 × 10 = 10 Marks)
