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Name.....

Reg. No.....

**FOURTH SEMESTER B.Ed. DEGREE EXAMINATION  
APRIL 2023**

B.Ed.

**EDU 13.12—PROFESSIONALIZING PHYSICAL SCIENCE EDUCATION  
(2017 Scheme)**

Time : Two Hours

Maximum : 40 Marks

**Part A**

*Answer all questions.  
Each question carries 1 mark.*

1. List any *two* traits of professionalism.
2. Write any *two* web 2.0 tools for learning Physical Science.
3. Name any *one* website for providing online course in teacher education.
4. Who is a scientifically literate student ?
5. Suggest any *one* importance of teacher's accountability in the class.
6. Give the meaning of techno-pedagogy.

(6 × 1 = 6 marks)

**Part B**

*Answer all questions.  
Each question carries 2 marks.*

7. Mention any *two* characteristics of learning objects.
8. What is INFLIBNET ? What are its services ?
9. Mention any *two* measures to promote creative thinking of students.
10. What is presentation software ? Give one example..

(4 × 2 = 8 marks)

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**Part C**

Answer any **four** questions.  
Each question carries 4 marks.

11. What do you mean by Technological Pedagogical Knowledge? Give examples.
12. How does society influence science and its development?
13. Give your views on the need of pre-service educational programmes of teachers of Physical Science. Explain.
14. Write a short note on video conferencing.
15. Discuss the challenges of M-learning in the present scenario.
16. What are the characteristics of gifted children?

(4 × 4 = 16 marks)

**Part D**

Answer any **one** question.  
The question carries 10 marks.

17. Explain the meaning and importance of e-content. Describe the stages involved in the development of e-content.
18. Discuss the objectives and procedure of Science Olympiad programme.

(1 × 10 = 10 marks)