

C 1540



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Name.....

Reg. No.....

**FOURTH SEMESTER B.Ed. (TWO-YEAR) DEGREE EXAMINATION  
APRIL 2021**

B.Ed.

EDU 13.12—PROFESSIONALIZING PHYSICAL SCIENCE EDUCATION

(2017 Admissions)

Time : Two Hours

Maximum : 40 Marks

**Part A**

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

1. Suggest two examples for web 2.0 tools.
2. What is teleconferencing ?
3. Name a free software for concept mapping.
4. Who is a creative child ?
5. Mention any two situations that reflect critical thinking of students.
6. Write any two ethics of teaching profession.

(6 × 1 = 6 marks)

**Part B**

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

7. Point out the mentoring skills of science teacher.
8. "Teaching is a profession". Comment.
9. Illustrate the role of Edubuntu in the learning of physical science.
10. Differentiate between techno-pedagogic competencies and pedagogic competencies.

(4 × 2 = 8 marks)

**Part C**

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

11. Why does a science teacher need in-service training ?
12. Describe teacher accountability.

**Turn over**

13. As a science teacher, how will you eradicate superstitions in society ?
14. "The code of professional practice is important for all teachers". Justify.
15. How would you identify a gifted child in a science class ?
16. Write a short note on National Talent Search Examination.

(4 × 4 = 16 marks)

### Part D

*Answer any one question.*

*The question carries 10 marks*

17. Describe the essential qualities, duties and responsibilities of a science teacher. What are the major dilemmas in the professional growth of teachers ?
18. Describe the meaning and need of techno-pedagogy. Develop a Techno-Pedagogic Analysis of a topic from secondary school level science text book of Kerala State.

(1 × 10 = 10 marks)