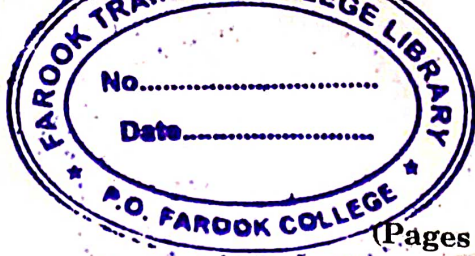


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Name.....

Reg. No.....

**FOURTH SEMESTER B.Ed. DEGREE EXAMINATION
APRIL 2022**

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. Who popularized the term 'web 2.0 tool' ?
2. Point out any one benefit of wiki.
3. Mention any two teacher competencies listed by NCTE.
4. Write the components of creative thinking.
5. Suggest any one journal in Education published by NCERT.
6. Give the difference between pedagogical knowledge and content knowledge.

(6 × 1 = 6 marks)

Part B

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

7. List any four qualities of a good science teacher.
8. Describe Edubuntu.
9. Mention any one professional organization of teachers and write any two objectives of the organization.
10. Write the scope of blogs in learning physical science.

(4 × 2 = 8 marks)

Part C

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

11. List any two in-service training programmes for school teachers. What is the need of organizing such programmes ?
12. Describe the role of ICT resources in learning science during the Covid period.

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13. Describe the various stages in the development of e-content.
14. Explain how science and technology are related ?
15. As a student teacher, do you think it is necessary to interact with more experienced teachers to improve your teaching-learning process ? Justify your views.
16. Discuss the role of science in society.

(4 × 4 = 16 marks)

Part D

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

17. Explain TPACK framework. Give techno-pedagogic content knowledge analysis on any one topic from Physics or Chemistry of Kerala State syllabus.
18. Explain the meaning of professional ethics. Describe the highlights of Code of Professional Ethics for school teachers given by NCTE.

(1 × 10 = 10 marks)