



Name.....

Reg. No.....

FOURTH SEMESTER B.Ed. DEGREE EXAMINATION, APRIL 2022

B.Ed.

EDU 13.11—PROFESSIONALIZING NATURAL SCIENCE EDUCATION

(2017 Scheme)

Time : Two Hours

Maximum : 40 Marks

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

1. What is m-learning ?
2. Write two educational uses of e-mail.
3. Write two characteristics of virtual classroom.
4. Define TPCK.
5. Name two strategies to foster giftedness.
6. Give two use of ICT in Science.

(6 × 1 = 6 marks)

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

7. Write a short note on e-journals in Science.
8. Write four teacher competencies listed by NCERT.
9. Write two needs of Techno Pedagogy.
10. What do you mean by skipping or Double promotion ?

(4 × 2 = 8 marks)

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

11. Explain about the components of Expert System.
12. Give the advantages of a Virtual Science lab.

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- 13. Define Teleconferencing and Explain about the types of teleconferencing.
- 14. What do you mean by Professional ethics ?
- 15. Give a brief description about the Intelligent Tutoring System and its components.
- 16. Explain Creativity and its components.

(4 × 4 = 16 marks)

Part D

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

- 17. Enumerate the role of SCERT and NCERT in the professional growth of Science Teacher.
- 18. Explain about the Technology based new emerging communication medias.

(1 × 10 = 10 marks)

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