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Name.....

Reg. No.....

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

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 a courseware ?
2. Give two uses of ERIC.
3. Define Digital resources.
4. What are the uses of INFLIBNET ?
5. Name two free software in Science.
6. Define the term Technological knowledge.

(6 × 1 = 6 marks)

**Part B**

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

7. What are the different types of Blog in Education ?
8. Mention the eligibility Criteria for NTSE?
9. State the characteristics of Scientifically gifted children.
10. What is DVD and write about its uses ?

(4 × 2 = 8 marks)

**Part C**

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

11. What is Video conferencing and bring out the importance of video conferencing ?
12. Give a brief account about the Professional ethics.
13. Define Webinar and Explain the relevance of Webinar in the present scenario.

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14. Give the relevance of NCERT in the professional growth of Science Teacher.
  15. Explain about the teaching competencies required by a Science Teacher.
  16. Give a brief Description about the educational uses of *e*-discussion, Chat and Wiki.
- (4 × 4 = 16 marks)

**Part D**

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

17. Explain the TPCK Knowledge areas and the role of teacher as a Techno pedagogue.
  18. Give a brief account of the ICT Tools used in Science Teaching. Explain the relevance of ICT tools in the teaching- learning process of Secondary School Biology.
- (1 × 10 = 10 marks)

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