



QP CODE: 220400086A

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Name :

B.Ed DEGREE REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY 2022

Fourth Semester

PEDAGOGIC COURSE - EDU403.18 - PROFESSIONAL DEVELOPMENT OF A NATURAL SCIENCE TEACHER

2018 Admission Onwards

FEEA1990

Time: 2 Hours

Max. Marks: 50

Part A

Answer all questions

Each question carries 1 mark.

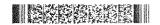
- 1. What is a mission statement?
- 2. What do you mean by professional ethics?
- 3. What do you mean by professional development?
- 4. Mention the need for continuous professional development of teachers.
- 5. List out the advantages of participation in seminars.
- 6. Name any two soft skills that can be developed through science teaching.
- 7. Mention any one of the roles of Natural Science teacher in science based society.
- 8. What is the impact of personalized medicine?
- 9. What is germ warfare?
- 10. List out two teaching strategies to cater to the learning needs of a creative child.

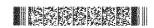
 $(10 \times 1 = 10)$

Part B

Answer any **five** questions in about **half a page**Each question carries **2** marks.

11. Define Teaching Competency.





- 12. Suggest any two methods to ensure accountability of Natural Science Teachers.
- 13. List out the characteristics of professionalism among teachers.
- 14. Draw a flow chart of a culturally inclusive classroom environment.
- 15. Mention the applications of 3D bioprinting.
- 16. Write any two important areas of research in Science teaching and learning related to techniques.

 $(5 \times 2 = 10)$

Part C

Answer any **five** questions in about **one or two pages**Each question carries **4 marks**.

- 17. Quality of a teacher determine the competency in teaching'. Substantiate.
- 18. Examine the various duties and responsibilities of a Natural Science teacher.
- 19. Identify the contribution of UGC for improving professionalism among teachers.
- 20. Published works will enhance professional development of teachers'. Evaluate.
- 21. The Science teacher's place in a society is of vital importance'. Substantiate.
- 22. Elucidate the major objectives and implications of Green Genetic engineering.
- 23. Elaborate the teacher competencies needed for the moral development of the learner.

 $(5 \times 4 = 20)$

Part D

Answer any one question in about three or four pages.

Each question carries 10 marks.

- 24. Discuss the role of in-service programmes in the professional development of a science teacher.
- 25. Mention any two special issues and concerns related to Natural Science and discuss its pros and cons.

 $(1 \times 10 = 10)$

