

QP CODE: 220400086A



Reg No :

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.

(10×1 = 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.

(5×2 = 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.

(5×4 = 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.

(1×10 = 10)

