

QP CODE: 4010400086



Reg No : .....

Name : .....

**B.Ed Degree (Credit & Semester) Regular / Supplementary Examinations,**

**JUNE 2021**

**Fourth Semester**

B.Ed Degree

**Pedagogic Course - EDU403.18 - PROFESSIONAL DEVELOPMENT OF A NATURAL  
SCIENCE TEACHER**

2018 Admission Onwards

39E76244

Time: 2 Hours

Max. Marks : 50

**Part A**

*Answer all questions*

*Each question carries 1 mark.*

1. Mention any two competencies required for a Natural Science teacher.
2. Enunciate your mission as a Natural Science teacher.
3. Give any two features of professionalism.
4. Write two ways to develop professionalism in teachers.
5. Name any two professional organizations of teachers in India.
6. Mention any two soft skills needed for a teacher.
7. What do you mean by social change?
8. What do you mean by Green Genetic engineering?
9. What do you mean by bioterrorism?
10. Identify an area of research in Science teaching and learning, related to assessment.

(10×1 = 10)

**Part B**

*Answer any five questions in about half a page*

*Each question carries 2 marks.*

11. Write any four qualities essential for a Natural Science teacher.
12. Enumerate the responsibilities of a Natural Science teacher in modern society.



13. How do published works help the teachers for professional development?
14. Mention the role of Natural Science teacher in socialization.
15. List out the merits and demerits of 3D bioprinting.
16. Who is an under achiever?

(5×2 = 10)

### Part C

Answer any **five** questions in about **one or two pages**

Each question carries **4 marks**.

17. Discuss the characteristics of an accountable teacher.
18. Bring out the significance of professional ethics of a teacher.
19. Analyse the importance of in-service programmes for the professional development of teachers.
20. 'Participation in seminars and workshops will enhance professional development of teachers'. Evaluate.
21. 'Teacher is a social engineer'. Justify.
22. Analyze the pros and cons of personalized medicine.
23. Elucidate the role of teacher in developing scientific attitude among students.

(5×4 = 20)

### Part D

Answer any **one** question in about **three or four pages**.

Each question carries **10 marks**.

24. What are the essential competencies of a science teacher? Analyse the role of science teacher in the present scenario.
25. 'The concept of Green Genetic engineering and food safety can be treated as areas of special concerns in the society'. Analyze and substantiate the statement.

(1×10 = 10)

