



25800593

**QP CODE: 25800593**

**Reg No** : .....

**Name** : .....

**B.Ed DEGREE REGULAR/REAPPEARANCE/MERCY CHANCE EXAMINATIONS,  
FEBRUARY 2025**

**Fourth Semester**

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

2019 Admission Onwards

8502B123

Time: 2 Hours

Max. Marks : 50

**Part A**

*Answer **all** questions*

*Each question carries **1** mark.*

1. What is a mission statement?
2. Define teacher accountability.
3. Give any two features of professionalism.
4. Mention two activities of SCERT for the professional development of teachers.
5. Name any two institutions conducting teacher improvement programmes.
6. Name any two professional organizations of teachers in Kerala.
7. List out any two roles of Natural Science teacher in social change.
8. What is meant by personalised medicine?
9. List any two merits of 3D bioprinting.
10. Write two classroom strategies to cater to the learning needs of a gifted child.

(10×1 = 10)

**Part B**

*Answer any **five** questions in about **half a page***

*Each question carries **2** marks.*

11. List out the qualities required for a Natural Science teacher to transact the content effectively in the classroom.
12. List out the duties and responsibilities of a Science teacher.
13. List out the advantages of participating in seminars and workshops.





14. Write any two components of culturally inclusive classroom environment.
15. What do you mean by functional foods. Give any one example.
16. Examine recent research trends 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. Enumerate the various competencies of a Natural Science teacher.
18. Bring out the significance of professional ethics of a teacher.
19. Point out the significance of peer networking in the professional development of teachers.
20. Explain the significance of soft skills in science teaching.
21. Examine the role of Natural Science teacher in the new vistas of science.
22. Analyse the various measures that can be employed to ensure food safety.
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. 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)

