

G 4242

(Pages : 2)

Reg. No.....

Name.....

**B.Ed. DEGREE EXAMINATION, APRIL 2019**

**Fourth Semester**

EDU 403.18—PROFESSIONAL DEVELOPMENT OF NATURAL SCIENCE TEACHER

(2015 Admission onwards)

[Regular/Supplementary]

Time : Two Hours

Maximum : 50 Marks

**Part A**

*Answer all questions in one or two sentences each.  
Each question carries 1 mark.*

1. Write two tips to avoid food poisoning.
2. Define green genetic engineering.
3. What are interpersonal skills ?
4. Define peer networking.
5. Name two programmes of UGC meant for promoting professionalism.
6. List two scientific journals.
7. How workshops are useful for teachers ?
8. Mention two ethical values indispensable for teachers.
9. What is action research ?
10. Bring out *two* advantages of inservice programmes.

(10 × 1 = 10 marks)

**Part B**

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

11. What are the applications of 3D Bioprinting ?
12. How can you ensure food safety ?
13. What is the role of NCERT in teacher empowerment ?
14. Being a biology teacher, how will you inculcate nationalism.
15. What is the significance of GM crops ?
16. Suggest a title for organising seminar for teacher empowerment and substantiate.

(5 × 2 = 10 marks)

**Part C**

*Answer any five questions in about one page each.  
Each question carries 4 marks.*

17. Technology is a 'Double-edged weapon'—Comment on use and misuse of technology.
18. Reflective practice is essential for a teacher. Justify.
19. Explain the competencies required for effective Biology teaching.
20. Elucidate two scientific inventions that made remarkable social change.
21. Bring out the role of teacher in the moral developemnt of learner.
22. Describe the concept of Personalized Medicine with illustration.
23. How will you foster the diverse learning style of students ?

(5 × 4 = 20 marks)

**Part D**

*Answer any one question in about four pages.  
The question carries 10 marks.*

24. Developemnt of a 'Code of Conduct' is essential for a teacher. Describe the professional ethics of teacher related to various stakeholders.
25. Illustrate the recent trends in science teaching in school with special reference to strategies and assessment.

(1 × 10 = 10 marks)