

QP CODE: S010400085



Reg No :

Name :

B.Ed Degree (Credit & Semester) Special Examinations, December 2021

Fourth Semester

B.Ed Degree

Pedagogic Course - EDU403.17 - PROFESSIONAL DEVELOPMENT OF A PHYSICAL
SCIENCE TEACHER

2019 Admission Only

720BA7AE

Time: 2 Hours

Max. Marks : 50

Part A

Answer **all** questions

Each question carries 1 mark.

1. Write any two responsibilities of a Physical Science teacher.
2. Mention any two abilities required for a science teacher to manage the classroom.
3. Write any two advantages of having a vision for a teacher.
4. What do you mean by Inservice programme?
5. Give two examples for published works.
6. What are Soft Skills?
7. Mention any two benefits of using reflective practices in assessment.
8. Suggest any two activities for Science Club.
9. What do you mean by research in physical science?
10. Mention any one social issue emphasized in science education.

(10×1 = 10)

Part B

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

Each question carries 2 marks.

11. Briefly describe accountability of a teacher towards community.
12. Name any two National level Professional Organisations for Science teachers. State one role



in professional development .

13. What are the challenges of reflective teaching?
14. What are the steps of a field trip?
15. Explain any one recent research trend in the assessment practices of science learning
16. Explain any one strategy to teach students with diverse learning needs and talents.

(5×2 = 10)

Part C

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

Each question carries **4 marks**.

17. Explain the essential qualities of a teacher.
18. What are the characteristics of a teaching profession?
19. Why is Professional development considered as a continuous process? Give its significance.
20. Explain the different reflective practices in instruction.
21. Discuss how reflection help to overcome the challenges in Science teaching.
22. Write a short note on Science Olympiad.
23. Explain the role of riddles in science learning. Illustrate with example.

(5×4 = 20)

Part D

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

Each question carries **10 marks**.

24. Explain in detail the professional ethics of a Science teacher. How do ethics help in the professionalisation of a science teacher?
25. Explain the significance of professional development of Science Teachers in the Indian context.

(1×10 = 10)

