

QP CODE: S010400085



Reg No

Name

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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.

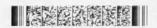
- 1. Write any two responsibilities of a Physical Science teacher.
- 2. Mention any two abilities required for a science teacher to manage the classroom.
- 3. Write any two advantages of having a vision for a teacher.
- 4. What do you mean by Inservice programme?
- 5. Give two examples for published works.
- 6. What are Soft Skills?
- 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.

 $(10 \times 1 = 10)$

Part B

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

- 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.

 $(5 \times 2 = 10)$

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.

 $(5 \times 4 = 20)$

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?
- Explain the significance of professional development of Science Teachers in the Indian context.

 $(1 \times 10 = 10)$

