

**B.Ed. DEGREE EXAMINATION, APRIL 2020****Fourth Semester****EDU 403.17—PROFESSIONAL DEVELOPMENT OF PHYSICAL SCIENCE TEACHER**

(2018 Admissions—Regular)

Time : Two Hours

Maximum : 50 Marks

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

1. What is meant by management competency ?
2. List two soft skills needed by a physical science teacher.
3. What are the roles played by a science teacher in the existing educational system ?
4. What is meant by continuous professional development ?
5. Mention any one social issue emphasized in science education.
6. What do you mean by the role of teacher as a facilitator ?
7. Write the names of two professional organizations.
8. What is the objective of in-service programme ?
9. Name any two criteria to evaluate science fare.
10. Mention two teacher competencies needed by a science teacher to transact content.

(10 × 1 = 10 marks)

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

11. Write a short note on duties of a science teacher.
12. What is meant by e-twinning ?
13. How will you cater the needs of a fast learner ?
14. What are the objectives of a physical science club ?
15. Give an example to explain the use of games for teaching physics or chemistry.
16. Briefly describe different methods to enhance accountability of a science teacher.

(5 × 2 = 10 marks)

Turn over

**Part C**

*Answer any five questions in about one page.*

*Each question carries 4 marks.*

17. Distinguish between curricular and content competencies.
18. Explain the characteristics of a science teacher as a professional.
19. Write a note on recent research trends in assessment practices in science learning.
20. Explain the significance of professional development.
21. What is the role of professional organization in empowering a teacher ?
22. How will you organize a field trip for secondary school students ?
23. Elaborate the need and significance of soft skill development for a science teacher.

(5 × 4 = 20 marks)

**Part D**

*Answer any one question in about four pages.*

*The question carries 10 marks.*

24. What is meant by reflective teaching ? Describe the different means of reflection. How will you use reflective practices to meet the challenges in teaching ?
25. Explain professionalism. Why do you think the concept of professionalism is essential for a teacher ? Describe the means of developing professionalism in a science teacher.

(1 × 10 = 10 marks)