

G 1056

(Pages : 2)

Reg. No.....

Name.....

B.Ed. DEGREE EXAMINATION, APRIL 2018

Fourth Semester

EDU 403.17—PROFESSIONAL DEVELOPMENT OF PHYSICAL 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. Enunciate your own vision as a teacher in a single statement.
2. Give any *one* method to ensure accountability of high school teacher.
3. Give the name of a professional organization in teaching.
4. Write any *four* characteristics of a reflective teacher.
5. Name any *one* innovative instructional strategy as suggested by recent researches in Science learning.
6. Which agency conducts Science Olympiad in India ?
7. Make a riddle to teach evaporation for 8th standard students.
8. Give any *four* advantages of in-service programmes.
9. Give any *one* on-line science game and give the website address (URL) for the same.
10. Give any *two* competencies a teacher should possess in the assessing of students.

(10 × 1 = 10 marks)

Part B

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

11. Is robbery a profession ? Justify your stance.
12. What is the importance of reflective journal in reflective teaching ?
13. Why is follow up very important for a field trip ?
14. List the contextual competencies required by a science teacher.
15. How can you substantiate that reflective teaching increases proficiency in teaching ?
16. Which are the groups of children who have diverse learning needs ?

(5 × 2 = 10 marks)

Turn over

Part C

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

17. Explain rubric as an assessment tool.
18. "Publish or perish" is a phrase commonly used among academics. What is your viewpoint towards this ?
19. Explain the organizational structure of the Science club.
20. How can you make your students use the internet as a tool to learn science ? Illustrate with four ideas.
21. Prepare a single page project on launching an e-twinning program in your village school.
22. What do the recent researches in assessment practices suggest ?
23. List any four cultural issues and narrate their impact on Science education.

(5 × 4 = 20 marks)

Part D

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

24. Describe in detail the professional ethics of a Science teacher. How do ethics help in the professionalization of science teacher ?
25. Explain the importance, organization and evaluation of Science fairs in Kerala.

(1 × 10 = 10 marks)