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Reg. No.....

Name.....

B.Ed. DEGREE EXAMINATION, APRIL 2018

Fourth Semester

EDU 403. 16—PROFESSIONAL DEVELOPMENT OF MATHEMATICS TEACHER

(2015 Admission onwards)

[Regular/Supplementary]

Time : Two Hours

Maximum : 50 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. Write any two specific qualities of a Mathematics teacher.
2. Give a riddle with its solution.
3. Write two soft skills important for a Mathematics teacher.
4. Name a national level professional organization of Mathematics teachers.
5. Write two activities that can be organized by a Mathematics club.
6. What is the need of reflective practices in instruction ?
7. Write two merits of participating in seminars.
8. Why teachers need ethics ?
9. Write a special strategy that can be used for teaching below average students in Mathematics.
10. Write any two published works useful for Mathematics teachers.

(10 × 1 = 10 marks)

Part B

Answer any five questions.

Each question carries 2 marks.

11. 'Teacher should be a researcher'—Comment.
12. What is the importance of Teacher accountability.
13. List the major items of a Mathematics fair (Any four).
14. How does Mathematics club improve student performance.

Turn over

15. Write a game and the Mathematical knowledge/skill involved in it.
16. What is the purpose of e-twinning ?

(5 × 2 = 10 marks)

Part C

Answer any five questions.

Each question carries 4 marks.

17. Why do Mathematics teachers need continuous professional development ?
18. Give a brief account of Mathematical Olympiad.
19. Explain the cycle of reflective teaching.
20. Explain the educational value of field trip with an example.
21. 'Teaching is a profession'—Establish.
22. Write a short note on the social and cultural issues in Mathematics education.
23. What are the functions of peer-net working ?

(5 × 4 = 20 marks)

Part D

Answer any one question.

The question carries 10 marks.

24. Bring out the significance of researches in Mathematics Education. Explain any one research in the area of assessment of Mathematics learning.
25. Explain in detail various competencies of a Mathematics teacher.

(5 + 5 = 10 marks)

[1 × 10 = 10 marks]