220400084A

B.Ed DEGREE REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY 2022

Fourth Semester

PEDAGOGIC COURSE - EDU403.16 - PROFESSIONAL DEVELOPMENT OF A MATHEMATICS TEACHER

2018 Admission Onwards

64DA039C

Time: 2 Hours   Max. Marks : 50

Part A
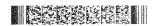
Answer all questions

Each question carries 1 mark.

1. Write any two qualities of a Mathematics teacher.

2. Write your vision as a Mathematics teacher.

3. Write down the significance of professional development.

4. State any two professional characteristics required for a mathematics teacher.

5. List any two types of in-service programmes.

6. Define soft skills.

7. What is reflective teaching?

8. Suggest an enriching activity from mathematics for higher secondary school students.

9. What are mathematical fares?

10. Mention any two language barriers in mathematics classroom.

(10×1 = 10)

Part B

Answer any five questions in about half a page

Each question carries 2 marks.

11. Enumerate the duties of a Mathematics teacher.

12. Differentiate between curricular competency and conceptual competency of mathematics teacher.

13. What is the relevence of continous professional development of mathematics teachers?

14. What are the benefits gained by a teacher by participating in seminars?

15. Write any two advantages of reflective teaching.

16. Write any two challenges in mathematics teaching.

$$(5×2 = 10)$$

Part C

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

*Each question carries **4 marks**.*

17. Teacher is a social resource. Comment.

18. Explain the concept of teacher accountability.

19. What do you mean by published work? Briefly explain various types of published work.

20. How does E-twinning help teachers to develop professionalism?

21. Briefly explain how mathematical olympiad can be organized.

22. Explain any one mathematical game with its rules and regulations.

23. Explain the ways of eliminating social and cultural issues in mathematics classroom.

$$(5×4 = 20)$$

Part D

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

*Each question carries **10** marks.*

24. Define professional organizations. Analyse how different professional organizations contribute to the professional development of Mathematics teachers.

25. What are the various social and cultural issues in mathematics education? Suggest some remedies to overcome.

$$(1×10 = 10)$$