B.Ed DEGREE REGULAR/SUPPLEMENTARY /MERCY CHANCE EXAMINATIONS, JULY 2023

Fourth Semester

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

2018 Admission Onwards

1A10D2E8

Time: 2 Hours   Max. Marks : 50

Part A

Answer all questions

Each question carries 1 mark.

1. Write any two responsibilities of a Mathematics teacher.

2. What do you mean by transactional competency of a mathematics teacher?

3. List any one professional characteristics of a mathematics teacher.

4. Mention any one need for continuous professional development of mathematics teacher.

5. Mention any two types of published work.

6. Write any two soft skills essential for a mathematics teacher.

7. What do you mean by reflective practice in instruction?

8. Write any one function of a mathematics club.

9. What are mathematical olympiads?

10. Write any two areas of research in mathematics education.

(10×1 = 10)

Part B

Answer any five questions in about half a page

Each question carries 2 marks.

11. A Mathematics teacher should have some specific qualities. Explain.

12. List two measures to ensure teacher accountability.

13. Write down the significance of professional development in mathematics teachers.

14. List any four types of in-service programme that help teachers for professional development.

15. What is the need of reflective teaching?

16. What is the role of reflection in meeting the challenges in mathematics teaching?

<div align="right">(5×2 = 10)</div>

Part C

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

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

17. A teacher is a resource to the society. Analyse this statement.

18. Every teacher has a vision. Analyse this statement.

19. Briefly explain the ways and means of developing professionalism in mathematics teachers.

20. Briefly explain the benefits attained by a Mathematics teacher by participating in a seminar?

21. Briefly explain mathematical fares and its functions.

22. What are the benefits of participating in mathematics games?

23. How will you overcome the various social and cultural issues in mathematics classroom?

<div align="right">(5×4 = 20)</div>

Part D

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

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

24. Explain in detail the various dimensions of teacher accountability.

25. Explain in detail the activities that enrich mathematics learning and point out their benefits.

<div align="right">(1×10 = 10)</div>