



25800591

**QP CODE: 25800591**

**Reg No** : .....

**Name** : .....

**B.Ed DEGREE REGULAR/REAPPEARANCE/MERCY CHANCE EXAMINATIONS,  
FEBRUARY 2025**

**Fourth Semester**

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

2019 Admission Onwards

1C1E3249

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. Define teacher accountability.
3. Write down the significance of professional development.
4. State any two professional characteristics required for a mathematics teacher.
5. What is in-service programme?
6. Write any two published works useful to the mathematics teacher.
7. What is the benefit of having reflective practices in instruction?
8. Suggest an enriching activity from mathematics for high school students.
9. Give an example for a mathematics contest.
10. List down 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. List any four responsibilities of a Mathematics teacher.
12. Explain the role of a mathematics teacher as a facilitator.
13. Write a short note on any one professional organization in Kerala which conduct in-service programmes for teachers.





14. What are the benefits gained by a teacher by participating in seminars?
15. Write any two importances of reflective teaching.
16. What is the role of reflection in meeting the 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. Suggest some practical measures to develop the transactional competency of a Mathematics teacher.
18. Every teacher has a vision. Analyse this statement.
19. Give a short note on the need for continuous professional development for mathematics teachers.
20. Describe any four ways to improve soft skills of a teacher.
21. Write five questions that can be included in mathematics quiz for higher secondary level.
22. Suggest any five recreational activities in mathematics.
23. What does it mean to teach mathematics from a socio cultural perspective?

(5×4 = 20)

### **Part D**

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

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

24. A mathematics teacher must have different competencies. Justify.
25. A mathematics teacher should be a reflective practitioner. Justify.

(1×10 = 10)

