



QP CODE: 24803318



24803318

Reg No : .....

Name : .....

**M.Ed. DEGREE(CSS) EXAMINATION, MAY 2024**

**Fourth Semester**

Faculty of Education

M.Ed

**ELECTIVE COURSE - ED820406 - ADVANCED METHODOLOGY AND  
PEDAGOGICAL PRACTICES OF MATHEMATICS EDUCATION**

2019 Admission Onwards

75EBEBF5

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. What is pure Mathematics?
2. What is transfer of learning in mathematics?
3. Give a short note on Gamification.
4. What is SWAYAM?
5. What is meant by Null curriculum?
6. Write two examples of very short answer type questions.
7. Mention the characteristics of online examinations.
8. Briefly analyse the cyber security threats faced by the modern society right now.
9. List any four soft skills needed for a teacher
10. What is mathematics educational research?

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. Explain three main types of proofs in mathematics.
12. Give a brief outline on the Constructivist approach in Teaching of Mathematics.





13. What do you meant by Brain Based Learning ? Explain.
14. Briefly explain the Curriculaum reformations done by SSA and DPEP.
15. Distinguish between norm referenced and criterion referenced evaluations.
16. Write a short note on describing the purpose of poster assessment.
17. What are the ways in which you can show professionalism?
18. How can a teacher educator improve his teaching skill?

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight **5** each.*

19. Explain revised bloom's taxonomy of educational objectives with examples from mathematics.
20. Explain briefly any three Computer Based Instructions in Teaching of Mathematics.
21. Explain the different types of mistakes committed by the students of Mathematics. Suggest remedial measures to overcome it.
22. Elaborate the changing roles and responsibilities of a mathematics teacher in the present scenario.

(2×5=10 weightage)

