

QP CODE: 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?

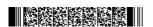
(8×1=8 weightage)

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

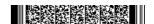
Answer any **six** questions.

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.



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- 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)

