



23301799

QP CODE: 23301799

Reg No :

Name :

**B.Ed DEGREE REGULAR / REAPPEARANCE / MERCY CHANCE EXAMINATIONS,
NOVEMBER 2023**

First Semester

BACHELOR OF EDUCATION

**PEDAGOGIC COURSE - EDU104.16 - UNDERSTANDING THE DISCIPLINE OF
MATHEMATICS EDUCATION**

2018 Admission Onwards

5FDD8DBB

Time: 2 Hours

Max. Marks : 50

Part A

Answer all questions

Each question carries 1 mark.

1. Who is the author of the book 'Lilavati'?
2. Write the name of any two Western Mathematicians.
3. List any two characteristics of Mathematics.
4. Mathematical procedure can be used to appreciate poetry. Cite one example.
5. Give any concept in mathematics that can be correlated to music.
6. Write an example for the correlation of Arithmetic and Algebra.
7. Write any one vocational aims of teaching Mathematics.
8. List any two general objectives of teaching Mathematics at primary stage.
9. What is the meaning of an objective?
10. Write any two objectives from psychomotor domain.

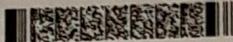
(10×1 = 10)

Part B

Answer any five questions in about half a page

Each question carries 2 marks.

11. Mention any four symbols used in Mathematics.

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12. How is Mathematics and Social Science correlated?
 13. Write any four utilitarian values of learning Mathematics.
 14. Design a classroom segment that gives emphasis to disciplinary aims.
 15. Create a Mathematical game where one can observe the Aesthetic values of Mathematics.
 16. Write a short note on competence based evaluation.

(5×2 = 10)

Part C

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

Each question carries **4 marks**.

17. Sketch the background where New Math movement got initiated?
18. What is the role of Induction and Intuition in learning Mathematics?
19. Illustrate with examples the correlation of Mathematics with Physics.
20. Explain different areas of arts in which mathematics can be used?
21. "Mathematics has great cultural value". Substantiate your views.
22. Write the general objectives of teaching mathematics at the Higher secondary stage . Briefly evaluate if these objectives are satisfied in the present curriculum.
23. Analyse the tripolar relation of competency, Learning activity and Evaluation citing example.

(5×4 = 20)

Part D

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

Each question carries **10 marks**.

24. Explain in detail the correlation of Mathematics with real life situation.
25. Cognitive, Affective and psychomotor domain of Educational objectives are interrelated. Justify with your view points.

(1×10 = 10)