



24805424

QP CODE: 24805424

Reg No :

Name :

**B.Ed DEGREE REGULAR/REAPPEARANCE / MERCY CHANCE EXAMINATIONS,
OCTOBER 2024**

First Semester

BACHELOR OF EDUCATION

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

2019 Admission Onwards

DBFA8323

Time: 2 Hours

Max. Marks : 50

Part A

*Answer **all** questions*

*Each question carries **1** mark.*

1. Name any four Indian mathematicians.
2. What is New Math Movement?
3. What is the concept of Empirical learning ?
4. Cite any two situations where Mathematics is correlated with Hindi.
5. Write any one mathematical concept that can be useful for learning music.
6. Create an image to substantiate the correlation between Geometry and Algebra.
7. Write an activity where the aesthetic values of Mathematics can be seen.
8. State any two general objectives of teaching Mathematics at secondary stage.
9. What is the meaning of an objective?
10. When a child develops new ways of solving problems by himself, which objective is achieved?

(10×1 = 10)

Part B

*Answer any **five** questions in about **half a page***

*Each question carries **2** marks.*

11. Learners are to be trained with the proper use of Mathematical language and symbols. Explain its pros and cons.
12. How mathematics and arts is correlated?
13. List any four disciplinary aims of teaching Mathematics.





14. Mention four vocations in which the vocational values of Mathematics can be seen.
15. Write any four general objectives of teaching Mathematics at Higher Secondary stage.
16. What are the competences that should be possessed by a mathematics teacher?

(5×2 = 10)

Part C

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

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

17. Write the contributions of Euclid.
18. Should Mathematics be a compulsory subject in high school classes. Give your comments.
19. Comment the role of Mathematics in the teaching and learning of Science.
20. Comment on the role of Mathematics in the learning of Social Science.
21. Briefly explain the utilitarian values of learning Mathematics .
22. “ Mathematics has great cultural value”. Substantiate your views.
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. Discuss with examples the importance of elementary Mathematical knowledge in the daily life.
25. Analyse whether the objectives of teaching Mathematics at the Primary stage are satisfied through the learning of the present Mathematics curriculum.

(1×10 = 10)

