

A2009

B.Ed. (Education) EXAMINATION, 2021

(First Year)

(Main & Re-appear)

PEDAGOGY OF MATHEMATICS

BD117

Time : 2½ Hours]

[Maximum Marks : 80

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks.

1. Write short notes on the following :

- (a) Nature of Mathematics
- (b) Recent curriculum reforms in mathematics at national level
- (c) Skill of reinforcement
- (d) Comprehensive evaluation.

2. What are Instructional Objectives ? Explain with examples Bloom's Taxonomy of Instructional Objectives for Mathematics.
3. Write a detailed note on the history of Mathematics.
4. What is Pedagogical Analysis ? Explain Pedagogical analysis of 'Trigonometry'.
5. Explain with examples inductive-deductive method of teaching mathematics.
6. What is importance of the mathematics club ? Explain games as a recreational activity of mathematics club. <https://www.mdustudy.com>
7. Describe in detail the application of ICT in the teaching and learning of mathematics.
8. Write notes on the following :
 - (a) Formative and summative evaluation
 - (b) Criteria and norm referenced test.
9. Discuss the role of mathematics teacher associations, journals and other resource material in mathematics education. 16

(3)(J21)M-A2009

2

1,400