

(i) Printed Pages : 2

26/12/25 PM
Roll No.

(ii) Questions : 9

Sub. Code :

4	5	0	1	8
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Exam. Code :

1	1	0	1
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B.Ed. (Gen.) 1st Semester

(2125)

PEDAGOGY OF MATHEMATICS

(Same for USOL Candidates of 1st Semester)

Paper : P-1.1/1.2 Opt. (XIII)

Time Allowed : Three Hours]

[Maximum Marks : 40

Note :— (1) There are Five Units in the question paper.

(2) Attempt **one** question each from Units-I to IV.

(3) Unit-V is compulsory.

UNIT—I

1. (a) Explain the building blocks of Mathematics.
(b) Prove that the square of an odd number is odd both by direct and indirect method. 4+4
2. What are Axioms, Propositions, Postulates and Quantifiers? Illustrate with examples. 8

UNIT—II

3. Enumerate the objectives of teaching Geometry at school level with special reference to Bloom's Taxonomy. 8

4. What is the best approach of teaching Mathematics? Give valid reasons to justify your answer. 8

UNIT—III

5. What are the characteristics of a good Mathematics textbook? Write in detail. 8
6. Discuss pooling of resources for learning of Mathematics at block/district level as a strategy. How practical is it? 3+5

UNIT—IV

7. Discuss the meaning and steps of concept attainment model. How is it practically helpful in Mathematics? 8
8. What is cooperative learning? Discuss various approaches of cooperative learning. 8

UNIT—V

9. Write short notes on the following:
- (a) Audio-visual multimedia in Mathematics
 - (b) Supplementary text material for improving Mathematics learning
 - (c) Contribution of Euclid in Mathematics
 - (d) Activity based approach in Mathematics 4×2=8