

**PC-54322/M**

**L-12/2052**

**TEACHING OF MATHEMATICS**

**Paper-1211 T/1212 T**

**Opt. (ix)**

**(Semester-II)**

**Time : 1½ Hours]**

**[Maximum Marks : 35**

**Note :** Attempt **one** question each from Section A & B carrying 10 marks each and the entire Section C consisting of 5 short answer type questions carrying 3 marks each.

**SECTION—A**

- I. Differentiate concept formation and concept attainment. Describe concept attainment model with the help of a mathematical example. (4,6)

**OR**

- II. Explain nature and kinds of proof. How different kinds of proof are helpful in effective mathematics teaching? (7,3)

**SECTION—B**

- III. Discuss the role of mathematics laboratory in teaching of mathematics. Also suggest ways of getting optimal benefits from a mathematics laboratory. (6,4)

OR

- IV. How achievement test is different from diagnostic test?  
How these tests help a teacher in providing remedial measures to students? (5,5)

**SECTION—C**

**(Compulsory Question)**

Write brief answer :

- V.
1. What is constructivism?
  2. Compare inductive and deductive methods of teaching mathematics.
  3. Write the importance of lesson planning for a mathematics teachers.
  4. What is role of error analysis in mathematics?
  5. Suggest some activities for mathematics club.

(5×3=15)