

M-23/2112

TEACHING OF MATHEMATICS-1104 & 1105T

Opt. (ix)

(Semester-I)

Time : $1\frac{1}{2}$ 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. Explain Axioms, postulates, assumptions and hypotheses with examples.
- II. Write short notes on :
 - (a) Historical development of notions.
 - (b) Contribution of Euclid to Mathematics.

SECTION—B

- III. What are the objectives of teaching Mathematics at secondary school stage? Take any *two* of these objectives and suggest concrete proposals to achieve these objectives in schools.

- IV. What do you mean by pedagogical analysis of a content material in the subject Mathematics? Explain by laying emphasis on the need of such analysis.

SECTION—C

(Compulsory Question)

- V. Write short notes on the following :

1. Meaning of Mathematics.
2. Contribution of Aryabhata.
3. Taxonomy of Instructional objectives in psychomotor domain.
4. Aims of teaching Mathematics.
5. Classification of content for 'Number system'.