

PC-7352/N

J-13/2118

TEACHING OF MATHEMATICS-IV & V (ix)

ਗਣਿਤ ਦਾ ਅਧਿਆਪਨ-IV & V (ix)

(Semester-I)

Time : 1½ Hours]

[Maximum Marks : 35

Note : Attempt *one* question each from Sections 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 the terms axioms, postulates and hypothesis in mathematics by citing suitable examples. 4,3,3
- II. Elaborate on contribution of world famous mathematician Euclid to the field of mathematics. 10

SECTION—B

- III. What do you mean by term “taxonomy of educational objectives”? Explain, in detail, Bloom’s taxonomy of educational objectives. 2,8

- IV. Elaborate upon the meaning and procedure of pedagogical analysis of a content material by taking a suitable mathematical example. 3,7

SECTION—C

(Compulsory)

V. Write brief answers :

1. What are assumptions in mathematics?
2. What was the greatest contribution of Aryabhatta in field of mathematics? Justify your answer.
3. What do you mean by “writing objectives in behavioural terms”?
4. Discuss, in brief, aims of teaching mathematics.
5. How pedagogical analysis of a content material is useful for a mathematics teacher? 5×3=15