

PC-2092/M

J-12/2059

TEACHING OF MATHEMATICS

(ਗਣਿਤ ਦਾ ਅਧਿਆਪਨ)

[Paper-XI & XII (ix)]

(Semester-II)

Time : $1\frac{1}{2}$ 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 concept attainment model with the help of a suitable mathematical example. 10
- II. Elaborate on inductive-deductive methods of teaching Mathematics. Also write their merits and demerits. 64

SECTION—B

- III. Justify the need of a Mathematics laboratory for effective teaching of Mathematics. 10

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- IV. Describe various steps involved in preparation of an achievement test of Mathematics.

SECTION—C

(Compulsory)

- V. Write brief answers :

1. Write about zone of proximal development for learning of concepts.
2. What is proof by contradiction?
3. How will you identify hardspots while teaching Mathematics?
4. What is the importance of Mathematics text-books for students?
5. Discuss various activities carried out at Mathematics club. (5×3=15)

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