CC : B 4.1228   **182/N**

P–8/2115

TEACHING OF MATHEMATICS—IV & V

(Opt. ix)

SEMESTER—I

Time Allowed : 1½ Hours]   [Maximum Marks : 35

Note : The candidates are required to attempt **one** question each from Sections A and B carrying 10 marks each and the entire Section C consisting of 5 short answer type questions carrying 3 marks each.

SECTION—A

1. Explain the terms Axioms, Postulates, Assumptions and Hypothesis in Mathematics with suitable examples.

2. Discuss the contribution of Bhaskaracharya and Aryabhatta to Mathematics.

SECTION—B

3. Write in detail aims of teaching Mathematics at secondary school level.

4. What do you understand by pedagogical analysis? Write the procedure for continuing pedagogical analysis by taking an example.

SECTION—C

5. Compulsory :

   (a) Write the nature of Mathematics.

   (b) What do you mean by objectives in behavioural terms?

   (c) What is the need of pedagogical analysis for a teacher?

   (d) What are the objectives of teaching Mathematics at elementary schools?

   (e) Write the importance of Mathematics in daily life.

PUNJABI VERSION

ਨੋਟ : ਭਾਗ A ਅਤੇ B ਵਿਚੋਂ ਇੱਕ-ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰੋ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 10 ਅੰਕ ਹਨ। ਭਾਗ C ਸਾਰਾ ਕਰੋ। ਇਸ ਵਿਚ 5 ਸੰਖੇਪ ਉੱਤਰ ਵਾਲੇ ਪ੍ਰਸ਼ਨ 3-3 ਅੰਕਾਂ ਦੇ ਹਨ।

ਭਾਗ—A

1. ਗਣਿਤ ਵਿਚ Axioms, Postulates, Assumptions ਅਤੇ Hypothesis ਸ਼ਬਦਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰੋ; ਢੁਕਵੀਆਂ ਉਦਾਹਰਣਾਂ ਵੀ ਦਿਓ।