

2 Hours

[Total Marks : 60]

**N. B.** i. All questions are compulsory.

ii. All questions carry equal marks.

1. Explain in detail notion of Logic. Discuss the difference between formal and material logic.

OR

Discuss the basic principles in logic.

2. 'Every proposition is a sentence but every sentence is not a proposition', explain with appropriate examples.
3. Distinguish between Contrary and Sub-Contrary opposition with reference to square of opposition.
4. Reduce the following propositions into their logical form and state their conversion, obversion and contraposition. (Any three)
  - i. A few materials are useful.
  - ii. All that glitters is not gold.
  - iii. Few machines are good for use.
  - iv. Only teachers who are efficient in teaching are scholars.

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