

2021  
CHANCHAL COLLEGE  
HOME ASSIGNMENT — PH19-C-2.  
(WESTERN LOGIC)

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Full marks — 50

Section — I

Answer any two of the following questions —  
 $16 \times 2 = 32$

1. What is meant by 'Opposition of Proposition'? Explain Square of Opposition with examples. Point out the modern reformulation of it.  $6+6+4$
2. What is Existential Import of Propositions? Do all standard form of categorical propositions have existential import? Explain with examples.  $6+10$
3. What is Induction? Distinguish between Induction and Deduction. Explain induction by Simple Enumeration.  $4+6+6$
4. What is an analogical argument? What are the different criteria for the appraisal of analogical argument? Explain with examples.  $8+8$

Section — II

Answer any one of the following questions —  $8 \times 1 = 8$

5. What are the rules of obversion?  $\text{Q}$
6. What is Hypothetical Syllogism?  $\text{Q}$

Section - III

Answer any five of the following —  $2 \times 5 = 10$

7.

- a) What do you mean by contradictory opposition of propositions?
  - b) Distinguish between mediate and immediate inference.
  - c) Why the conversion of 'O' proposition is not valid?
  - d) What is truth-function?
  - e) What do you mean by 'Propositional Function'?
  - f) When is an argument in Venn diagram valid?
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