

254**III**

Total No. of Questions – 5

Total No. of Printed Pages – 2

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Part – III
LOGIC, Paper-II
(English Version)

*Time : 3 Hours]**[Max. Marks : 100*I. Answer any **two** of the following questions :**2 × 15 = 30**

- (1) Describe the relationship between Induction and Deduction.
- (2) Write the principles of valid observation.
- (3) Describe the J.S. Mill's Experimental Methods.
- (4) Describe the experimental methods followed in social sciences.
- (5) Describe the differences between complete enumeration and incomplete enumeration.

II. Answer any **six** of the following questions :**6 × 5 = 30**

- (1) Explain the role of incomplete enumeration in the formation of hypothesis.
- (2) Explain the method of authority.
- (3) Explain the method of tenacity.
- (4) Explain the natural experiment.
- (5) Explain the intuitive method.
- (6) Explain the fallacy of accident.
- (7) Explain the plurality of cause.
- (8) Explain the spendthrift argument.
- (9) Write the difference between observation and experiment.
- (10) Explain the law of unity of nature.

III. Answer any **ten** of the following blanks :

10 × 1 = 10

- (1) Father of Inductive Logic _____.
- (2) Father of Deductive Logic _____.
- (3) Deduction is a formal Logic and Induction is a _____.
- (4) Enumeration is _____ types.
- (5) Universals are _____ types.
- (6) Verification and attentive are observed in _____.
- (7) In Case History Method, first stage is prenatal development and the second stage is _____.
- (8) Without the presence of Induction Deduction is _____, Induction without Deduction is aimless.
- (9) Questionnaire method is _____.
- (10) Invalid Hypothesis is _____.
- (11) Experimental methods of J.S. Mill are _____.
- (12) Field investigation method is followed in _____ Scientific methods.
- (13) Nature has _____ comparisons.
- (14) _____ is the proponent of cause of plurality.
- (15) Observation is _____ types.

IV. Answer any **five** of the following questions :

5 × 2 = 10

- (1) Explain the Inductive leap.
- (2) Explain the paradox of inference.
- (3) Explain the analogy.
- (4) Explain the Material Logic.
- (5) Explain the analytical method.
- (6) Explain the velocity of inference.
- (7) Explain the postulates.

V. Answer any **five** of the given fallacies :

5 × 4 = 20

- (1) Miss. Sindhu got gold medal in Olympics. So the petrol price has been hiked.
- (2) I observe the three people in America. They are all Negroes. So all the Americans are Negroes.
- (3) Milk is a nutrient diet. So we can serve milk to the cholera patient.
- (4) I can break a stick in a single attempt. So I can break all the bunch of sticks at a time.
- (5) Soul is permanent. Because soul has no death.
- (6) Cat is a Canine.
- (7) Ravi got one lakh rupees in the lottery. So he can buy a car, bike and a house at a time.