

2021

PHILOSOPHY

Full Marks : 100

Pass Marks : 33

Time : Three hours

Answer all the questions.

The figures in the right margin of each question indicate the full marks for the questions.

Answer Question Nos. 1 – 4 in about 200 words each :

1. Explain how propositions are divided according to quality. 8

OR

Explain how propositions are divided according to quantity.

2. What is meant by opposition of proposition ? Name the different forms of opposition and explain contradictory opposition. 3+2+3=8
3. Define observation by giving examples. 8

OR

Define experiment by giving examples.

4. Explain the importance of hypothesis in scientific inquiry. 8
5. What is the distinction between Formal Truth and Material Truth ? 4
6. 'A term denotes things and connotes attributes'. Explain. 4
7. What is Induction by Simple enumeration ? 4

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8. State Mill's Canon of the Method of Agreement. 4
9. What is 'Inductive leap or hazard in Inductive Logic' ? 4
10. State two uses of Method of Difference. 4
11. State the Law of Identity. 4

OR

State the Law of Contradiction.

12. Give the logical representative letters of Universal Affirmative, Universal Negative, Particular Affirmative and Particular Negative by diagram. Mention also the common symbolic letter for proposition. 4
13. Write short notes of the following : 2×12=24
 - (a) Logic is a normative science.
 - (b) What does the Law of Sufficient Reason mean ?
 - (c) What is immediate inference ?
 - (d) State the chief function of immediate inference.
 - (e) What are the two principles on which scientific induction is based ?
 - (f) What is conversion ?
 - (g) When is a hypothesis said to be legitimate ?
 - (h) How many instance do we take in the method of Difference ?
 - (i) How would we conclude if two or more instances of the phenomenon under investigation have only one circumstance in common?
 - (j) Give one example of making supposition to explain facts in our everyday life.

- (k) State one use of studying logic.
- (l) Give two formal grounds of Induction.

14. Give very short answers of the following. 1×8=8

- a. What does the Law of Causation state ?
- b. What is a real proposition ?
- c. What do you mean by generalisation ?
- d. State one law of the Uniformity of Nature.
- e. What is mal- observation ?
- f. State one advantage of experiment over observation.
- g. What is a hypothesis ?
- h. What is the function of the experimental methods ?

15. Choose the correct answers from the given four alternatives of the following : 1×4=4

- (i) Scientific Induction is based on presupposition.
 - (a) Two
 - (b) Three
 - (c) Four
 - (d) Five
- (ii) Having possibilities of proceeding from the cause to the effect and not backwards from the effect to the cause –
 - (a) Observation has advantage over experiment
 - (b) Experiment has advantage over observation
 - (c) Both have the same advantage
 - (d) Depends on the circumstance

(iii) The conditions to which a supposition should conform before it attained the rank of a legitimate hypothesis are

- (a) 3 (three)
- (b) 4 (four)
- (c) 5 (five)
- (d) 6 (six)

(iv) Experimental methods have character.

- (a) Positive
- (b) Negative
- (c) Positive as well as negative
- (d) None of the above