

Reg. No. :

Name :

Fourth Semester B.A (Philosophy) Degree Examination, July 2019

(First Degree Programme under CBCSS)

PL 1441 : INDUCTION AND SCIENTIFIC METHOD

(2017 Admn)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** question in one word or to a maximum of **two** sentences. each question carries **one** mark.

Write note on the following

1. Scientific induction
2. Axioms
3. Hypothesis
4. Fallacy of observation
5. Definition of cause
6. Analogy
7. Inductive reasoning
8. Simple Enumeration
9. Scientific enumeration
10. Deduction

(10 × 1 = 10 Marks)

SECTION – B

Answer any **eight** questions in a paragraph each. Each question carries **two** marks.

11. Describe scientific induction.
12. What is scientific method.
13. Write a note on barren hypothesis.
14. Elucidate ancient view of cause.
15. Give an account of Aristotle's view of induction.
16. Define perfect and imperfect induction.
17. Explain false hypothesis.
18. Evaluate Mill's method of agreement.
19. Write about inductive inference?
20. What are observation facts?
21. What is meant by good analogy?
22. Write the important stages of scientific method.

(8 × 2 = 16 Marks)

SECTION – C

Answer any **six** questions. Each carries **four** marks.

23. Evaluate fallacies of observation.
24. Explain the basic aspects of reflective thinking.
25. Differentiate between scientific and unscientific explanation.

26. Write a note on verification of hypothesis.
27. Distinguish between observation and experiment.
28. What are the condition of a valid hypothesis?
29. Write about mill's method of agreement and difference.
30. Describe the value or uses of analogy.
31. Define fallacies of non-observation and mal-observation.

(6 × 4 = 24 Marks)

SECTION-D

Answer any **two** question in about 600 words. Each question carries **fifteen** marks.

32. What is induction? explain the problem of induction
33. Elucidate the nature of analogy and state the rules and condition of a good and sound analogy .
34. Evaluate characteristics of scientific observation.
35. Compare and contract between aristotle's and mill's view of causes.

(2 × 15 = 30 Marks)