

Instruction: Write a Main questions and Sub Question numbers clearly

**I. Answer Ten the following questions**

**10x1=10**

1. What is Induction?
2. What is the basic of Analogy?
3. What is simple enumeration?
4. Define Postulate
5. What is experiment?
6. Mention the theory of causation
7. Define plurality of causes
8. What is condition?
9. What is the aim of experimental methods of J S Mill?
10. Is method of agreement a method of observation?
11. Define hypothesis
12. What is probability?
13. What is Scientific Explanation?
14. When does logical fallacy occurs?
15. What is Ananyata Sidda?

**II. Answer any ten of the following questions**

**10x2=20**

16. Name the kinds of proper induction
17. What is induction by complete enumeration / perfect induction?
18. Which are the formal grounds of induction?
19. Name the thinkers of empirical theory?
20. Mention the fallacies of observation
21. What are the types of condition?
22. Name the kinds of Inter mixture of effects?
23. How many instances are required for the method of difference?
24. Give symbolic example for the method of residues
25. What is working hypothesis?
26. Which are the grounds of probability?
27. Name the kinds of scientific explanation
28. What is fallacy of complex question? give an example?
29. Mention the types of causes in Indian Logical Tradition
30. Which are the types of Parinamavada.

**III. A. Write short notes on any four of the following in 10-15 sentences**

**4x5=20**

31. Characteristics of Scientific Induction

- 32. Conditions of Observation.
- 33. Uses of Experiment
- 34. Characteristics of causation
- 35. The method of concomitant variation?
- 36. Stages of hypothesis
- 37. Grounds of Probability
- 38. Limits of Scientific Explanation

**III. B. Test and Explain the validity of any four of following arguments** **4x5=20**

- 39. I have seen five scientists are intelligence, Therefore all scientists are intelligences.
- 40. I resemble my father in height, weight and colour, My father is a good musician there fore i am also will become a good musician
- 41. The mirror is reflecting because we can see our image in it.
- 42. Look at the horizon, There sky touches the earth.
- 43. The soul is immortal, because plato says that it exists for ever.
- 44. You have no right to advise against family planning because you have a eight children's.
- 45. Tell the truth otherwise i will break your skull.
- 46. Have you stopped copying in the Examination?

**IV. A. Answer any two of the following questions** **2x5=10**

- 47. Explain the difference between the observation and experiment
- 48. Explain the kinds of uniformity of nature
- 49. Explain the view of cause given by Aristotle.
- 50. Explain the method of residues?
- 51. Explain the characteristics of hypothesis?

**IV. B. Answer any one of the following questions** **1x10=10**

- 52. Explain the difference between Deduction and Induction?
- 53. Explain the kinds of Improper Induction?
- 54. Explain the Difference method with an example?

**V. Answer any two of the following questions** **2x5=10**

- 55. Write your opinion about the use of Internet
- 56. "Values of Education is Decreasing Discuss"
- 57. Discuss the Impact of Science and technology on Society
- 58. Explain the Challenges that India presently faces
- 59. Women Empowerment is complementary to the total development of the society  
Discuss