

## FIRST P.U.C

Subject Code : 23

LOGIC

Note : Write the main question and Sub – question number clearly

Marks : 100

Time : 3 Hours 15 Min

### **I. Answer any Ten of the following questions**

**10x1=10**

1. What is the subject matter of Logic?
2. What is Inference?
3. Who is the father of western Logic?
4. What is language?
5. What is Expensive language ?
6. What is a Judgment?
7. What is a Proposition?
8. Write a nemonic term?
9. Define the undistributed symbol?
10. What is immediate inference?
11. What is Major term?
12. Define the logical definition?
13. What is simple proposition ?
14. Who is the founder of Modern Symbolic logic?
15. Who is the Exponent of Indian Logic

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

**10x2=20**

16. Which are the two types of inference ?
17. What is the form and matter of thought ?
18. Write the categories of language ?

19. What is general term? Give an Example
20. Define Negative term? Give an Example
21. What is categorical proposition? Give an Example
22. Write the two kinds of conditional propositions?
23. What is contrary opposition?
24. Define the middle term
25. What is conversion?
26. What is Synonymous definition?
27. Name the fallacy “Peace is the absence of war”
28. Name the fallacy “ The Lion is king of beasts”
29. What is denying or negation?
30. Name the Panchavayava Nyaya of the Indian inference?

**III. A. Write the short notes on any four of the following**

**4x5=20**

31. Need of Rational thinking
32. Definitions of Logic
33. Logic and Language
34. Parts of a Propositions
35. The three fold classification of Propositions
36. Eules’s Circle
37. Rules of observation
38. The truth table of Disjunction

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

39. My arms touches the table

The table touches the floor

:: My arm touches the floor

40. All cold is dispelled by heat

His ailment is cold

:: His ailment can be dispelled by heat

41. All doctors are honest

All lawyers are honest

:: All lawyers are doctors

42. All cows are quadrupeds

No dogs are cows

:: No dogs are quadrupeds

43. No Men are perfect

All men are animals

:: No animals are perfect

44. If it rains, the grounds is wet

It is not raining

:: the ground is not wet

45. If a man is deaf he talks loudly

This man talks loudly

:: This man is deaf

46. Students are either boys or girls

X is a girl

:: X is not a boy

**IV. A. Answer any two of the following questions**

**2x5=10**

47. Explain the uses of Logic?

48. Compare and Explain deductive and inductive inference.

49. State the difference between grammatical sentences and proposition

50. Explain the four fold scheme of categorical proposition.

51. Compare Indian inference (Nyaya Anumana) and Aristotelian syllogism, Explain.

**IV B . Answer any one of the following questions**

**1x10=10**

52. Explain the opposition of proposition with the help of square

53 Write all the rules of categorical syllogism

54. State the rules of a good definition

**V. Answer any two of the following questions**

**2x5=10**

55. Explain the merits and demerits of internet?

56. Discuss the participation students in swacha bharath Andholan

57. Define the mobile phone advantages and disadvantages

58. Values of Education is decreasing Discuss

59. Woman Empowerment is complementary to the total development of the society discuss.