BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024
2023 ADMISSIONS REGULAR
SEMESTER III - COMPLEMENTARY COURSE 2 (LOGIC)
EC3B03B23 - Logic

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. What are arguments?

2. Define terms.

3. Draw Euler's circle for 'A' proposition

4. List out the four types of categorical propositions.

5. What is subalternation?

6. Discuss the distribution of 'O' proposition.

7. Write a short note on dilemma.

8. Briefly explain disjunctive syllogism.

9. What are the two kinds of disjunctive syllogism.

10. State problem of induction.

11. Briefly explain induction by enumeration.

12. What is fallacy?

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Distinguish between singular,general and collective terms.

14. Define obversion and state its rules.

15. Change both the quality and the quantity of the following statements.

   - All oil spills are events catastrophic to the environment.
   - No alcoholics are people with a healthy diet.
   - Some Mexican vacations are episodes that end with gastrointestinal distress.
   - Some corporate lawyers are not people with a social conscience.
   - All oil based paints are products that contribute to photochemical smog.

16. Give contra positive the following propositions:
   (i)   Some insurance companies are not humanitarian organizations:
   (ii) All fossil feuls are unrenewable energy sources.

17. Name the fallacy committed by the given syllogism.
   All snakes are dangerous animals
   Some snakes are reptiles
   Therefore,some dangerous animals are not reptiles

18. State the fallacies of hypothetical syllogism with examples

19. What is hypothetical syllogism? State its rules and fallacies.

20. What is Induction? Explain the problem of induction.

21. Write a note on fallacy of 'The appeal to force'.

Part C

22. Define categorical proposition. Elucidate the nature of categorical proposition in the light of distribution of terms.

23. Define Dilemna ? Explain with examples any two types of dilemma ?

24. What is enumerative induction?explain its characterestics.

25. Explain the fallacy of relevance.