Questions for exam

1. The subject of logic as a science.
2. The term (concept) of thinking.
3. Historical stages of development of the science of logic.
4. Thinking and language.
5. General characteristics of term as a form of thinking. Term and word.
6. Logical structure of term. The law of the inverse relations between the extensional and intensional term.
7. Types of features that make up the intensional of the term.
8. Extensional characteristics of term.
9. Intensional characteristics of term.
10. The relations of compatibility between terms. Venn diagrams.
11. The relations of incompatibility between terms. Venn diagrams.
12. Generalisation and limitation of terms.
13. Rules of division of terms.
14. Types of division of definitions.
15. Classification. Types of classification.
16. The operation of defining terms.
17. Definitions: rules and errors.
18. Types of definitions.
19. Definitions for special purposes.
20. Statements and sentences. General classification of statements.
21. Types of categorical statements on quantity and quality.
22. Venn diagrams and Distribution of terms in statements.
23. The traditional square of opposition (Logical square).
24. Statement of existence, statement of relation.
25. Compound statement. Variables and statement forms.
26. Conjunction.

27. Disjunction.

28. Conditional.

29. Biconditional.

30. The principle of identity.

31. The principle of noncontradiction.

32. The principle of the excluded middle.

33. The principle of sufficient grounds.

34. Inference as a form of thinking: general characteristics.

35. Immediate inferences: Obversion.

36. Immediate inferences: Conversion.

37. Immediate inferences: Inference by the square of opposition.

38. Categorical syllogism: term and general structure.

39. Axiom and general rules of a categorical syllogism.

40. Figures and moduses of FCK: general characteristics.

41. Figure I of categorical syllogism: rules and modus.

42. Figure II of categorical syllogism: rules and modus.

43. Figure III of categorical syllogism: rules and modus.

44. Figure IV of categorical syllogism: rules and modus.

45. Conditional syllogism.

46. Conditional-categorical syllogism: structure and modus.

47. Biconditional syllogism.

48. Disjunctive-categorical syllogism: structure and modus.

49. Conditional-separating syllogism.

50. Enthymemes.

51. Induction.

52. Complete induction.

53. Incomplete induction.

54. Canons of Bacon - Mill.

55. Analogy.

56. Proof.

57. Features of arguments.

58. Rules and errors in proof and refutation.

59. Refutation.

60. Hypothesis.