

**First Semester FYUGP Degree Supplementary Examination
January 2025**

**KU1DSCPHL102 - CRITICAL THINKING AND LOGICAL
REASONING**

2024 Admission onwards

Time : 2 hours

Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. How can critical thinking help in avoiding deception?
2. What is meant by "independent thinking"?
3. Define logic and give the etymology of logic.
4. What is a deductive argument?
5. If a man is clever, he will hide his mistake and if he is sincere, he will admit it. He will neither hide his mistake nor admit it. Therefore, he was neither clever nor sincere. Examine the given example and identify the type of dilemma.
6. Distinguish between mediate and immediate inference.
7. Write a note on the structure of categorical propositions.
8. In a square of opposition, if the given proposition is 'Some students are hard-working', find its subaltern and contradictory propositions.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Discuss the nature of premises and conclusion in an argument.
10. Discuss the uses of studying logic.
11. Construct a complex destructive dilemma using the following proposition with the explanation.
If your education is broad you can read anything and if you are virtuous, you have not read immoral literature.
12. Discuss the nature of the distribution of terms in categorical propositions.
13. If "All birds are flying creatures" is true, identify the truth value of the corresponding O-type proposition and universal negative proposition. Write a note on the specific relation of opposition between them.

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14. If "All Tigers are carnivorous" is false, identify the truth value of its contrary proposition. Write a short note on contrary relation.

Section C

Answer any 2 questions. Each carry 14 marks.

15. Explain the rules and fallacies of categorical syllogisms.
16. Explain different types of mixed hypothetical syllogism. Analyse the rules and fallacies.
17. What is critical thinking? Explain the relationship between critical thinking and philosophy.