

Second Semester FYUGP Degree (Reg/Sup/Imp) Examination
April 2026
KU2DSCPHL103 - CRITICAL THINKING AND
REASONING
2024 Admission onwards

Time : 2 hours

Maximum Marks : 70

Section A**Answer any 6 questions. Each carry 3 marks.**

1. What is a categorical proposition?
2. Explain the structure of categorical proposition.
3. What is the significance of the copula in traditional logic?
4. Identify the type of dilemma.

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.

5. What is meant by dilemma?
6. What is meant by the fallacy of ambiguous middle?
7. Explain the difference between a hypothetical and a disjunctive proposition.
8. Find the fallacy of the following argument.

The flower pot touches the table.
The table touches the floor
Therefore, the flower pot touches the floor.

Section B**Answer any 4 questions. Each carry 6 marks.**

9. Can logic be defined as 'the science of thinking'? Discuss.
10. Whether logic is an art or science? Discuss.
11. Using the following proposition, construct a complex constructive dilemma and rebut it.

If I do justice, then God will love me and if I am an unjust politician will love me.

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12. 'In pure hypothetical syllogism, the conclusion should have a common proposition, but not the proposition used as common in both premises'. Discuss.

13. Test the validity of the following syllogism and explain the rules and fallacies (if any) related to it.

All happy people are virtuous.
Some businessmen are not virtuous.
Therefore, some businessmen are not happy people.

14. Analyse the following argument for validity using the rules of categorical syllogism:

All fruits are healthy,
All apples are fruits.
All apples are healthy

Section C**Answer any 2 questions. Each carry 14 marks.**

15. Discuss the steps involved in independent thinking and how they can lead to more thoughtful and effective decision-making.
16. What are the key components of Dewey's process of Critical thinking, and how do they interact?
17. Explain the traditional square of opposition.