

Reg No:.....  
Name :.....

K24FY 1480 (B)

**First Semester FYUGP Philosophy Examination**  
**NOVEMBER 2024 (2024 Admission onwards)**  
**KU1DSCPHL102 (CRITICAL THINKING AND LOGICAL**  
**REASONING)**  
(DATE OF EXAM: 4-12-2024)

Time : 120 min

Maximum Marks : 70

**Part A (Answer any 6 questions. Each carries 3 marks)**

1. Identify the premises and conclusion of the following argument with explanation.  
'You need to vote because casting vote is the right of a citizen'. 3
2. Define an argument and explain its structure. 3
3. How is the distribution of terms defined in categorical propositions? 3
4. What is meant by sub-alternation? 3
5. If "Some politicians are honest" is true, Find out the truth value of the following propositions. a) All politicians are honest. b) No politicians are honest. 3
6. What is meant by quantification of terms? 3
7. Define disjunctive syllogism. 3
8. Identify the type of syllogism and explain its nature.  
If it is pleasant we shall go for a picnic.  
It is pleasant.  
Therefore, we shall go for a picnic. 3

**Part B (Answer any 4 questions. Each carries 6 marks)**

9. Discuss the classification of categorical propositions based on quantity with suitable examples. 6
10. Discuss the nature of the following categorical propositions and the terms distributed/ undistributed.  
a. No dancers are teachers.  
b. All tables are books.  
c. Some lions are not animals.  
d. Some pigs are ugly creatures. 6
11. 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. 6

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12. 'In a valid standard form of categorical syllogism, the middle term must be distributed in at least one premise'. Discuss. 6
13. Test the validity of the following syllogism and explain the rules and fallacies (if any) related to it.  
All bags are pencils.  
All pins are bags.  
Therefore, some pins are pencils. 6
14. Identify the fallacy committed in the following syllogism:  
All dogs are mammals.  
Some mammals are carnivores.  
Therefore, all dogs are carnivores. 6

**Part C (Answer any 2 question(s). Each carries 14 marks)**

15. Analyse the three steps to independent thinking and discuss how these can be applied to enhance decision-making skills in daily life. 14
16. How do the three steps of critical thinking work together to improve decision-making? 14
17. Describe the nature of logical reasoning. Elaborate on the features of deduction and induction. 14