LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.A. DEGREE EXAMINATION - PHILOSOPHY

FIRST SEMESTER – **NOVEMBER 2022**

PPL1MC04 - LOGIC AND RESEARCH METHODOLOGY

Date: 09-12-2022	Dept. No.	Max.: 100 Marks
Time: 09:30 AM - 12:30) PM	

	SECTION A		
	Answer ALL the questions		
1	Fill in the blanks	$(5 \times 1 = 5)$	
ı)	Logical Definition is expressed by its and specific difference.	K1	CO
)	The representation of 'O proposition' in Euler's circle is	K1	CO
)	The etymological definition of 'Fallacy' is	K1	CO
)	Is EIO mood valid under figure 3?	K1	CO
)	Name the philosophical method that considers language as picturing reality.	K1	CO
2	Do the following exercises	$(5 \times 1 = 5)$	
)	Convert 'Some politicians are honest people' into its Contraposition.	K2	CO
)	Infer: If 'No artists are wealthy persons' is false, then what can be inferred of 'Some artists are wealthy persons?	K2	СО
)	Detect the fallacy in, 'I just can't say enough good about this person.'	K2	CO
)	Symbolize, 'No philosophers are fools' in Predicate Logic.	K2	CO
<u></u>	'Is it wrong to support gay marriages?' Is it a philosophical question?	K2	CO
_	SECTION B	<u>.</u>	I
	Answer any THREE of the following in 500 words	(3 x 10) = 3(
;	Explain with examples the different kinds of Inference.	K3	CO
Ļ	Determine the valid moods of Disjunctive Syllogism and the conditions for its validity.	К3	CO
,	Illustrate any five Material Fallacies with an example each.	K3	CO
<u></u>	Test any two ways of meeting a Dilemma.	K3	CO
,	Distinguish between the earlier and recent philosophical methods in Western Philosophy	К3	CO
	SECTION C		
	Answer any TWO of the following in 500 words (2	x 12.5	5 = 25
}	Determine the truth-relations in Aristotle's Square of Opposition.	K4	СО
)	Classify in detail the three types of Immediate Inference by Eduction.	K4	СО
	Examine the valid means of knowledge (<i>Pramāṇas</i>) in the classical systems of		
	Indian Philosophy.	K4	CO
0	1 7	K4	СО
	Categorize and explain the Philosophical Attitudes		
	Categorize and explain the Philosophical Attitudes. SECTION D	11.	
	SECTION D		5 = 15
0 1 2	SECTION D	(1 x 15	5 = 15 CO

	SECTION E			
Answer any ONE of the following in 1000 words $(1 \times 20 = 20)$				
	A). Rearrange the following argument into a categorical syllogism, test its validity by identifying the mood and figure, and detect the formal fallacies, if any, by the traditional rules of Categorical Syllogism:			
	'No one who believes in human equality are fascists and all those who believe			
	in human equality are strong defenders of democracy, subsequently no strong			
14	defenders of democracy are fascists.'	K6	CO5	
	(AND)			
	B). Symbolize the given argument and test its validity by Truth Table Method as Decision Procedure:			
	If the world exhibits conclusive evidence of design, then the world has a designer who is God. The world has a designer, who is God. Therefore, the world exhibits conclusive evidence of design.			
	A). Construct a formal proof of validity for the following argument by the symbols of Propositional Logic:			
	If all humans are created equal by God (H), then all humans are equal; and if all			
	humans are equal (E), then all have equal rights (R). And if this is the case (R),			
	then social inequalities should go (I). As a matter of fact, all humans are created			
	by God (H). It follows, therefore, that social inequalities should go (I). Please			
15	prove I.	K6	CO5	
	(AND)			
	B). Construct a formal proof of validity for the following argument by the symbols of Predicate Logic:			
	No idealist is a realist. All followers of Hegel are idealists. Therefore, no follower of Hegel is a realist.			

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