

12/6/19

Logic II
12/6/19.

[Time: 3 Hours]

[Marks:100]

Please check whether you have got the right question paper.

N.B: 1. All questions are compulsory.

2. Figures to the right indicate full marks.

Q.1 Answer the following in one two sentences.

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- What is the function of middle term in categorical syllogism?
- Give an example of equivocation in the form of categorical syllogism
- Symbolise and state the rule of inference:
Living in harmony with nature adds value to our life and we have to learn from indigenous people to minimise the effects of climate change. Therefore, living in harmony with nature adds value to our life.
- State the symbolic expression of rule of distribution (Rule of Replacement)
- State the symbolic expression of commutative laws.
- State the meaning of the given legal maxim-voluntati non fit-injuria.
- State the rule of constructive hypothetical argument.
- Why figure I of categorical syllogism the most perfect figure?
- What is crucial experiment?
- Give an example of fallacy of composition.

Q.2 Write short notes on **any four**.

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- Working hypothesis
- Plurality of causes
- Kinds of agreement
- Emotive words
- Prove the special rules of figure I of categorical syllogism.
- Rule of modus Tollendo ponens.

Q.3 a) Answer the following **any two** :

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a) Test the validity of the following categorical syllogism. Identify the figure. Give reasons.

- i) Some diamonds are precious stones. some carbon compounds are not diamonds .therefore some carbon compounds are not precious stones.
- ii) No politician is honest. Some politicians are not great – leaders. Therefore, some great leaders are not honest.
- iii) All criminal actions must be punished and cheating is a criminal action. Therefore, cheating must be punished.

b) Reduce indirectly BOCARDO.

c) Identify the following .Give reasons.

- i) Light travels faster than sound .This is the reason why some people appear bright until you hear them speak.
- ii) If a nation is oppressed by its rulers, it is not prosperous .India is not prosperous, therefore, India is oppressed by its rulers.
- iii) All atoms are invisible and all material bodies are atoms. Therefore, all material bodies are invisible.

Q.4 Answer question no 4(f) and any three from 4(a), (b), (c), (d) and (e).

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- a) State and explain any three general rules of categorical syllogism.
- b) Elaborate on popular view of cause.
- c) What are the impediments to good reasoning according to Richard Feldman? Explain with examples.
- d) Explain the conditions of good hypothesis.
- e) State and explain any four fallacies related to language.
- f) Construct complex constructive Dilemma, Rebut and refute it.

“If you read a book, you will gain information and if you watch cricket, you will enjoy”.
