

Logic - I
Sem - I

2017-18
FYBLS

Q.P. Code :06976

Logic I
Sem I
ATK-1

[Time: Three 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.

1. Answer the following in one or two sentences:-

- a) What is inference and implication? Give example.
- b) Define word, term and name. Give example.
- c) What is form of a proposition? and form of a sentence? Give examples.
- d) Define a singular and a general term. Give example.
- e) Define a categorical proposition and conditional proposition. Give example.
- f) What is distribution of a term? when is a term said to be distributed?
- g) what is relational proposition?
what is term from which the relation proceeds is known as? What is the term to which the relation proceeds is known as?
- h) What is a class-membership proposition? Give the symbol for "an individual" and a class'
- i) Define equivalent proposition / material equivalence.
- j) Define immediate inference. Given an example.

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2. Write short notes on any four of the following:-

- a) Logic is a science of all sciences logic is a formal science.
- b) Constituents and components of a proposition
- c) Three senses of connotation.
- d) Opposition of a singular proposition
- e) Conversion of A proposition.
- f) 'Coersion' as per 'Indian contract Act.'

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3. Answer the following (any two):-

- a) Reduce the following sentences to logical form and identify the kind of proposition as per traditional logic Name the terms that are distributed.
1) Few children do not love circus.
2) Human nature never changes.
3) Women are jealous.
b) 1) Identify the following compound proposition symbolise it and construct a truth table.
'If Radha was the wife of Krishna, Krishna was a male?'
2) Symbolise the following.
1) A few actors are successful. (Ax, Sx)
2) Every diamond is a precious stone. (Dx, Px)
3) Most Indians believe in rebirth (Ix, Bx)
c) Identify the following propositions and symbolise them as per modern Logic
1) Jāna sangh hates communist party
2) Arjun was a warriors.
3) It rains

Radha

Radha

[P.T.O]

4. Answer the following question, question numbers 'f' is compulsory of the remaining attempt any three questions

- a) There is a distinction between deduction and induction but there is no opposition between them, they supplement each other? Explain.
- b) What is meant by analogy? What is the value and what are the limitations of analogical reasoning?
- c) Logic is said to be formal? Explain, Is it correct to say that deductive logic is purely formal and inductive purely material?
- d) Explain with illustration the distribution between
- 1) singular and general terms.
 - 2) contrary and contradictory terms
- e) When are propositions said to be opposed? Which of the forms of opposition really deserve the name and why?
- f) Do as Directed.
- 1) Few men are not in need of money
(Give converse and obverse)
 - 2) All irrelevant talk is useless.
(Give obverse and converse)
 - 3) All logic books contain misprints (2M)
(Give contrary and contradictory)
 - 4) Dronacharya was a great teacher (2M)
(Give logical opposite)
 - 5) Not every tale is believable.
(Give obverse and converse)
 - 6) A politician is a man
Therefore a good politician is a good man.
(Identify the inference and give reason)

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Logic-I
Sem-I

Fy BLS

Sem - I

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[Time: 3 Hours]

[Marks:100]

Please check whether you have got the right question paper.

- N.B:
1. Attempt all questions.
 2. Figures to the right indicate full marks.

- Q.1** Answer the following questions in not more than two sentences:- 20
- a. Define logic.
 - b. What is implication? Give example.
 - c. Define contrary and contradictory term give example.
 - d. Define obversion.
 - e. State the law of excluded middle.
 - f. What is biverbal definition? Give example.
 - g. Define terminally ill.
 - h. What is verbal division? Give example.
 - i. What is primary and Secondary Induction?
 - j. Define existential proposition. Give example.
- Q.2** Write short notes on **any four** of the following:- 20
- a. Form and content.
 - b. Proposition and Judgement.
 - c. Inference by converse relation.
 - d. Rules and fallacies of division.
 - e. Disablement.
 - f. Opposition of Singular Propositions.
- Q.3** Attempt **any two** questions:- 12
- a. Reduce the following sentences to logical form and identify kind of proposition as per traditional logic. Name the term that are distributed.
 - i. Spiritual persons are necessarily sincere.
 - ii. Gossip is seldom charitable.
 - iii. Few men do not know their own mind.
 - b.
 - i. Identify the following compound proposition symbolize it. And construct a truth table for it. 'Either the examinations will be held or the elections are postponed.'
 - ii. Identify the proposition and symbolize it.
 - 1) The novel was interesting.
 - 2) The distance between Mumbai Pune is 150 kms.
 - 3) Shakespeare was a play wright.
 - c. Identify the fallacies in the following definitions and divisions according to traditional logicians, giving reasons for your answer.
 - i. A politician is a member of parliament.
 - ii. Law is the backbone of order.
 - iii. Life is not an easy dream.
 - iv. Wars into civil aggressive and naval.
 - v. The mind into states of knowing states of feeling and states of willing.
 - vi. The world into Asia Europe and Africa.

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Q.4 Question 'f' is compulsory. Of the remaining attempt any three questions. 48

- a. Explain in what sense logic is a science and an Art? Bring out the nature scope and its significance in law courts.
- b. Explain four fold classification of propositions. Illustrate.
- c. Explain modern classification of propositions.
- d. What is simple enumeration? Explain its characteristics.
- e. Explain modern definitions and illustrate.
- f. Do as directed.
 - 1. All immoral persons are undesirable. Give contrary and contradictory.
 - 2. Some mathematicians are philosophers. Give sub contrary and contradictory.
 - 3. No men are wise. Give subaltern and contradictory.
 - 4. Some diamonds are black. Give converse and obverse.
 - 5. No capitalists are far-sighted. Give obverse and converse.
 - 6. Some Italians are not dark haired. Give obverse and converse.
