Assignment for TEE June 2025 and TEE December 2025

BPYC-133 Logic

(TUTOR MARKED ASSIGNMENT)

Course code: BPYC-133

Marks: 100

Note:

1. Give Answer of all five questions.

2. All five questions carry equal marks.

3. Answer to question no. 1 and 2 should be in about 400 words each.

4. Some questions have more than one section, kindly read such questions carefully and attempt all the sections.

1. Write a note on existential import. Which problem of traditional logic is addressed by existential import? 20

Or

a) Write a note on "various types of the terms". 10

b) What is a symbol? Discuss the various kinds of symbols? 10

2. Write a note on the traditional square of opposition? Also discuss relations in traditional square of opposition. 20

Or

a) What is a truth table? Test the validity of the following argument with the help of the indirect truth table method. 5+5=10

(A v B) • (C⊃D)

(D v E)• F

.˙. A • F

b) State contrary, contradictory, sub contrary, subaltern and superaltern of the following propositions. 2*5=10

i) All triangles are polygon.

ii) Some Indian citizens are not Indian voter.

3. Answer any two of the following questions in about 200 words each.   2*10=20

a) What is Pararthanuman? Elaborate with the help of adequate example.   10

b) Write a note on deductive reasoning. What are its limitations?   10

c) What is syllogism? Give examples.   10

d) What is formal fallacy? Explain with the help of examples.   10

4. Answer any **four** of the following questions in about **150** words each.   4*5=20

a) Write a note on Proposition. Elaborate the modern categorization of propositions. 5

b) Test the validity of the following arguments with the help of the venn diagram

method.   5*2.5=5

i) AAA-4

ii) EIA-2

c) Write a note on Fallacies in Indian Logic.   10

d) What is the difference between Mediate and Immediate inference?   5

e) Translate the following statements to the standard form propositions.   1*5=5

i) He does not like tea.

ii) Every Indian citizen is a voter.

iii) All cats meow.

iv) If it is a Tiger, then it is an animal.

v) Unless he gives an application, his request will not be entertained.

f) Symbolize the following propositions.   1*5=5

i) Some books are literary books and some books are non-literary books.

ii) Either he is trustworthy or she is honest.

iii) All girls are virtuous and all boys are virtuous.

iv) Neither you nor me are trustworthy.

v) All cities are polluted and overpopulated.

5. Write a short note on any **five** of the following in about **100** words each.   5*4=20

a) Anumana   4

b) Boolean square of opposition   4

c) Truth Functions   4

d) The Straw Man Fallacy   4

e) Hetvabhas   4

f) Refutation of a Dilemma   4

g) Fallacy of Amphiboly   4

h) Quality (Categorical Proposition)   4