2023/FYUG/ODD/SEM/ PHISEC-101T/004

FYUG Odd Semester Exam., 2023 (Held in 2024)

the statement is either true or false. It is the PHILOSOPHY

(1st Semester)

Course No. : PHISEC-101T

S. What kind of o. (Toigola) exists between A and O proposition?

Full Marks: 50
Pass Marks: 20

".trogmi laines : 2 hours ..." Universal properties and second import." ...

The figures in the margin indicate full marks
for the questions

SECTION—A

Answer fifteen questions, selecting any three from each Unit:

1×15=15

UNIT-I

- 1. Is logic a science or an art or both?
- 2. "Logic is the study of the methods and principles used to distinguish correct (good) from incorrect (bad) reasoning." Who says this?

- 3. What kind of science logic is?
- 4. "An argument is either true or false." Is the statement true?

UNIT-II

- 5. What kind of opposition that exists between A and O proposition?
- 6. What is proposition?
- 7. "Universal propositions have existential import."
 Is it true?
- 8. Give an example of a general proposition.

UNIT—III

- 9. How many propositions are there in an immediate inference?
- 10. Is contraposition a deductive inference?
- 11. Can O proposition be converted?
- 12. "Quality is changed in conversion." Is it true?

UNIT_IV

- 13. Name one valid mood of second figure.
- 14. What is the position of middle term in the 1st figure?

21. What is the law of contradiction?

11. What is argument form?

- 15. State any one rule of syllogism.
- 16. State the number of rules of syllogism as advocated by I. M. Copi.

23. What is existential import? V—TINU

- 17. Give an example of a set.
- 18. Give symbolic representation of the following statement:

25. Mention and two points of Amerence here

"A is the subset of B."

- 19. What is the name of the symbol '€'?
- 20. If the set A = human beings, set B = rational animals, is A = equal to B?

SECTION—B

Answer five questions, selecting one from each Unit: 2×5=10

1. I will be not to the passing I will be required to the

State any one rule of while en-

- 21. What is the law of contradiction?
- 22. What is argument form?

advocated by L.M. II—TINU

the Blace the number of rules of saliens as a

- 23. What is existential import?
- 24. State any two points of difference between traditional square of opposition and Boolean square of opposition.

UNIT—III

- 25. Mention any two points of difference between Conversion and Obversion.
- 26. What is simple conversion and conversion by limitation?

UNIT-IV

- 27. What is figure of syllogism?
- 28. What is existential fallacy? about y board mislead 4.0

UNIT_V

- 29. What is null set (empty set)?
- 36. Reduce the following centence into logical form and then convert, obvert and contrales at tank.

"Mothers are always kindhearted." SECTION—C

Answer five questions, selecting one from each Unit:

 $5 \times 5 = 25$

copositions.

37. What is categorical syllogism? State any three characteristics of collegism.

- 38. Use Venn dia signal for latter and the following argument:
- 32. Write a short note on 'truth and validity'.

.. Some idealists are fanalics

UNIT-II

- Define with examples different kinds of simple propositions.
- 34. Explain briefly traditional square of opposition.

UNIT-III

- 35. What is obversion? Mention any three rules of obversion.
 2+3=5
- 36. Reduce the following sentence into logical form and then convert, obvert and contrapose:

1+1+1+2=5

"Mothers are always kindhearted."

UNIT-IV

- What is categorical syllogism? State any three characteristics of categorical syllogism.
 2+3=5
- 38. Use Venn diagram technique to test the validity or invalidity of the following argument:

Some reformers are fanatics.

All reformers are idealists.

.. Some idealists are fanatics.

UNIT-V

- 39. Explain with example: "Set membership"
- 40. Explain with examples union of sets and intersection of set.

* * *

2023/FYUG/ODD/SEM/ PHISEC-101T/004