

B. A. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016
SEMESTER V - OPEN COURSE (ECONOMICS)
ECO5LRA(O) - LOGIC AND REASONING APTITUDE

Time: Three Hours

Maximum Marks: 80

PART A**I. Answer all questions. Each question carries 1 mark.**

1. Write any four examples of conclusion indicators.
2. The linguistic expression of reasoning is called _____.
3. In reasoning the conclusion is drawn from _____.
4. Arguments are said to be valid, whereas propositions are said to be _____.
(Valid, True, Invalid)
5. If an argument is cogent it must be a _____ argument.
6. Complete the series: 12, 17, 23, __, 38, ____.
7. If 'All birds are animals' is true, 'Some birds are not animal' is _____.
8. The word 'since' is a _____ indicator.
9. Give an example of deductive argument.
10. If the premises and conclusion of an argument is true, that argument is called _____.

(10x1=10)**PART B****II. Answer any eight of the following questions. Each question carries 2 marks.**

11. Define logic.
12. How can you define a proposition? Elucidate its structure.
13. What is the structure of an argument?
14. What is a normative science? Give examples.
15. Explain the method of identifying the conclusion of an argument.
16. What are sound arguments?
17. Distinguish between arguments and non-arguments.
18. What is an inductive argument? Explain its nature.
19. Check the validity of the following argument.
All flowers are beautiful.
All roses are flowers
Therefore all beautiful things are roses.
20. What is a syllogism?
21. What is inference?
22. What is an enthymeme?

(8x2=16)**PART C****III. Answer any six of the following questions. Each question carries 4 marks.**

23. What are the uses of logic?
24. Find out the premises and conclusions of the following argument.

1. Since Sherly has done well in Economics courses, she will probably do well in Logic.
 2. The negotiation will probably fail because neither the union nor Management is willing to compromise.
25. Determine the validity or invalidity of the following arguments.
1. Thomas Isaac is an Indian. Thomas Isaac is an Economist. Therefore all Indians are Economists.
 2. Dolphins are a kind of shark, sharks have breathing holes. Therefore dolphins have breathing holes.
26. What is an inductive argument? Give example.
27. Examine the following argument and determine whether it is inductive or deductive.
- a) My three swans are white, therefore all swans are white
 - b) All women are wise.
Prof. Smitha is a woman, therefore Prof. Smitha is wise.
28. How can we determine the validity and invalidity of an argument?
29. What are conditional statements? Distinguish it from categorical statement.
30. How can you distinguish an argument from non-argument?
31. Define an argument form.

(6x4=24)

PART D

IV. Answer any Two of the following questions. Each question carries 15 marks.

32. Define logic and explain its nature and scope.
33. Define argument. Distinguish between categorical and conditional statements.
34. Examine the relation and difference between deductive and inductive argument.
35. Distinguish between truth and validity.

(2x15=30)