

BINDURA UNIVERSITY OF SCIENCE EDUCATION
DEPARTMENT OF INTELLIGENCE AND SECURITY STUDIES

BACHELOR OF COMMERCE IN FINANCIAL INTELLIGENCE PART 2

FI 204 LOGIC

DURATION : 3HRS

TOTAL MARKS: 100

INSTRUCTIONS TO CANDIDATES:

1. Answer any **four** questions
 2. Each question carries **25** marks
 3. Cell phones are not allowed in the exam room.
 4. Begin each answer on a fresh page.
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Question One

With the aid of examples, explain the following phrases as they are used in Logic.

- i) Obviously genuine dispute (8)
- ii) Merely verbal dispute (8)
- iii) An apparently verbal dispute that is really genuine (9)

[Total 25marks]

Question Two

Discuss the importance of various kinds of definitions in Logic. (25 marks)

Question Three

a) Explain the problems associated with the following fallacies in financial intelligence;

- i) Appeal to authority (7)
- ii) Appeal to personal attack (6)

b) Name the form of the following categorical statements, identify the subject and predicate terms and state their quantity and quality.

- i) Nothing that is a spider is an insect. (6)
- ii) If anything is a sibling that is female then it is a sister. (6)

[Total 25 marks]

Question Four

a) Describe the necessary conditions for a categorical syllogism to be in standard form. (5)

b) Write out each of the following syllogistic forms and test their validity by means of venn diagrams.

- i) EEA-1 (3)
- ii) EIO-2 (3)
- iii) OAO-3 (3)

c) Logic can be defined as the science of the laws of thought. Critique this definition. (11)

[Total 25 marks]

Question Five

a) Identify and explain the language functions intended to be served by each of the following passages.

- i) If I speak in the tongues of man and of angels without love I am a noisy gong or a clanging cymbal. (6)
- ii) If he really thinks that there is no distinction between virtues and vice why, sir, when he leaves our houses let us count our spoons. (5)
- iii) They have no lawyers among them for they consider them as a sort of people whose profession is to disguise matters and conceal facts. (6)

b) Identify the premises and conclusions exhibited by the following passages.

- i) I have a heart and therefore I love
But I am your daughter and therefore am proud. (4)
- ii) The essence of our admirable economic system is to create wants as fast as or faster than it satisfies them. Thus the improvement of living conditions, meaning greater consumer satisfaction is by definition impossible. (2)
- iii) On the other hand, mothers who breast feed their infants sometimes have trouble with infections. Consequently, mothers perhaps ought not to nurse their infants. (2)

[Total 25 marks]

Question Six

Evaluate the effectiveness of deductive and inductive reasoning in investigating white collar crimes. (25 marks)

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