



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ARTS

APH 101: INTRODUCTION TO LOGIC

DATE: 26/7/2019

TIME: 11.00-1.00 PM

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

1. a) Define the following concepts by identifying the genus and the difference in each definition:
 - i. Proposition (3 Marks)
 - ii. Skepticism (3 Marks)
 - iii. Inference (3 Marks)
 - iv. Philosophy (3 Marks)
 - v. Fallacy (3 Marks)
- b) Discuss the subject matter of logic (15 Marks)

2. (a) Explain two functions of a definition (10 Marks).
- (b) Analyze the kind of agreement and disagreement in each of the following pairs of sentences:
 - (i) Members of parliament legislated against commercial sex (5 Marks)
Members of parliament legislated against prostitution
 - (ii) Charity generously contributed one million shillings (5 Marks)
Charity kindheartedly gave one hundred shillings

3. Define and illustrate each of the following fallacies:

- (a) *Tu Quoque* (5 Marks)
- (b) Amphiboly (5 Marks)
- (c) *Argumentum Misericordiam* (5 Marks)
- (d) Composition (5 Marks)

4. (a) Discuss the nature of inductive reasoning (10 Marks)

(b) Explain two human endeavors founded on inductive reasoning (10 Marks).

5. (a) Explain the distinction that exists between logic and rhetoric (10 Marks)

(b) Exhibit two syllogisms, each with qualities of validity and soundness (10 Marks)