



A Constituent College of Kenyatta University

UNIVERSITY EXAMINATIONS 2012/2013 ACADEMIC YEAR

1ST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS

COURSE CODE/ TITLE: APH 101: INTRODUCTION TO LOGIC

END OF SEMESTER I

DURATION: 3 HRS

DAY/TIME: TUESDAY 2.00PM – 5.00PM

DATE: 04.12.2012

INSTRUCTIONS:

Answer question One and any other Two

Question One

Define and explain the importance of studying logic.

(26marks)

Question Two

Differentiate between the following logical terminologies.

a) Sentence and Proposition

(4marks)

b) Premise and Conclusion

(4marks)

c) Deductive and Inductive arguments

(4marks)

d) Categorical Proposition and Categorical Syllogism

(4marks)

e) Truth and Validity

(4marks)

Question Three

Identify and explain the three basic functions that are performed by ordinary language use.

(22marks)

Question Four

What is a fallacy? Name two fallacies of relevance and two fallacies of ambiguity and state what is erroneous in each one of them.

(22marks)

Question Five

a.) State the four standard form categorical propositions and demonstrate how they acquired their names. **(22marks)**

b.) Construct categorical syllogisms with the following logical forms.

- i) AAA-2
- ii) AII-3
- iii) AEE-4
- iv) EIO – 4
- v) AOO -1
- vi) EEE – 2
- vii) EOO - 3