



*(Knowledge for Development)*

**KIBABII UNIVERSITY**

**(KIBU)**

**UNIVERSITY EXAMINATIONS  
2016/2017 ACADEMIC YEAR**

**SUPPLEMENTARY/SPECIAL EXAMINATIONS  
YEAR 1 SEMESTER 1 EXAMINATIONS**

**FOR THE DEGREE OF  
MASTER OF SCIENCE  
(INFORMATION TECHNOLOGY)**

**COURSE CODE : MIT 815**

**COURSE TITLE : RESEARCH METHODS**

**DATE: 30/09/2017**

**TIME: 8.00-10.00**

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**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO.**

**ALL QUESTIONS CARRY 20 MARKS EACH**

### QUESTION ONE

Literature review is a process of identification, location and analysis of documents containing information related to the proposed research problem being investigated. Explain the following in relation to literature review:

- (i) The importance of literature. [4 marks]
- (ii) The link between it and theoretical framework and testable hypothesis. [4 marks]
- (iii) Referencing styles. [12 marks]

### QUESTION TWO

- a) The goal of probability sampling technique is to select a reasonable number of subjects, objects or cases that represent the target population. Using relevant examples explain any four probability sampling techniques. (12 mks)
- b) A study of 300 household in a small town of Bungoma revealed that 20 percent had at least one school- age child present.
  - i) What is the sample in the study? ( 2mk)
  - ii) What is the population? ( 2mk)
  - iii) What is the variable of interest? (2mk)
  - iv) What data measurement scale was used? (2mk)

### QUESTION THREE

- a) What is the role of the following sections in a research topic objective? (12mks)
  - i) Target population
  - ii) Statement of the problem
  - iii) Literature review
  - iv) Conceptual framework
- b) What is qualitative and quantitative research? (8Mks)

#### QUESTION FOUR

- a) Non-probability sampling is used when the researcher is not interested in selecting a sample that is representative of the population. Explain any four types of biased sampling (12mks)
- b) What are the characteristics of a good statement problem? (8mks)

#### QUESTION FIVE

- a) As manager you are intrigued why some workers in your company/ institutions seem to derive joy from work and get energized by it, while others find it troublesome and frustrating. Indicate how you as a researcher will investigate this problem. In doing this, highlight the steps in your investigation. (13mks)
- b) Discuss the major ethical issues in research (7mks)