



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

**UNIVERSITY EXAMINATIONS
2016/2017 ACADEMIC YEAR**

**SUPPLEMEENTARY/SPECIAL EXAMINATIONS
YEAR 1 SEMESTER 1 EXAMINATIONS**

**FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
(INFORMATION TECHNOLOGY)**

COURSE CODE : PIT 912

**COURSE TITLE : ADVANCED RESEARCH
METHODS**

DATE: 30/09/2017

TIME 8.00-10.00

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

ALL QUESTIONS CARRY 20 MARKS EACH

QUESTION ONE

Learning institutions are putting more effort in ensuring that all of its learners are in line with technology and more properly the know-how on the use of ICT devices and common applications. In the process, more often this objective has accompanied with a lot of challenges based on the fact that the majority of learners are non IT students. The senior technician said, "Some even come with already pre-set minds that IT courses are hard and convincing such learner to like the course becomes another effort to reckon with". In some occasions, learners have been complaining to their departments why computer courses are taught and yet they are taking programme not related to IT? Kibabii University, for instance, has also been a victim when it comes to teaching IT courses to Non IT students.

Required:

Formulate a research proposal based on the above scenario. [20 marks]

QUESTION TWO

You are required to investigate users' response to software interface for student's registration system in a university. Explain which approach, you could apply to carry out the investigation.

[20 marks]

QUESTION THREE

Discuss the following research philosophies and assess how they could be useful to Information Technology research:

- (a) Realism
- (b) Pragmatism
- (c) Epistemology
- (d) Ontology
- (e) Axiology

[20 marks]

QUESTION FOUR

Discuss the various 'types' of research instruments in information Technology research, clearly indicating the various techniques of estimating the reliability and validity of each instrument

[20 marks]

QUESTION FIVE

Question Four (20 marks)

Imagine that you carried out Experimental or Survey research for a hypothetical scenario. Illustrates how you could report the result of you study. You may use hypothetical data to illustrate your scenario.