



**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**ODEL EXAMINATIONS**

**ACADEMIC YEAR 2016/2017**

**HPS 2310/HBC 2304/BIT 2301: RESEARCH METHODS**

**DATE: DECEMBER 2016**

**TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

- a) Define the term research. (2marks)
- b) Discuss any five characteristics of the research process (10marks)
- c) Justify the reasons for developing a hypothesis in the research process (8marks)
- d) Elaborate on the role played by literature review in the research process (5marks)
- e) Discuss considerations that a researcher has to put in place when preparing a research design appropriate for a given research problem. (5marks)

**QUESTION TWO (20 MARKS)**

- a) Discuss the Limitations of Sampling
- b) Describe the steps involved in questionnaire construction
- c) Provide the Definition for the term Analysis, then Identify and describe the different types of analysis

**QUESTION THREE (20 MARKS)**

- a) James a finalist student is not sure of the format of an academic research proposal. Give an ideal outline that you are likely to suggest to him. Include the details for the required chapters (15 marks)
- b) What is a research design? What is its need in any research undertaking and what are some of the important factors to consider in developing a good research design?

(5 marks)

**QUESTION FOUR (20 MARKS)**

- a) Define the term research (2 marks)
- b) Differentiate the following types of research
  - i) Descriptive and analytical (2 marks)
  - ii) Applied and fundamental (2 marks)
  - iii) Quantitative and qualitative (2 marks)
  - iv) Conceptual and empirical (2 marks)
- c) Giving appropriate examples, discuss how you would use stratified random sampling research (10 marks)