



W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATIONS 2016/2017**

EXAMINATION FOR THE DEGREE OF BACHELOR OF PHARMACY

**PHA 2419: RESEARCH METHODOLOGY**

**DATE: MAY, 2017**

**TIME: 3 HOURS**

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY OTHER TWO QUESTIONS IN SECTION B**

**SECTION A: 5 MARKS EACH**

1. List the broad objectives of research.
2. Explain the steps involved in formulating a research problem.
3. Classify the types of literature that a researcher can examine when getting acquainted with a proposed topic.
4. Highlight the purpose for the development of a working hypothesis.
5. Briefly describe the factors one considers when selecting a research design appropriate for a research problem.
6. Briefly describe the following sample designs;
  - a) Convenience sampling
  - b) Systemic sampling
7. List the qualities of a good research paper.
8. Explain the characteristics of a bibliography
9. Explain the basic principles of ethics in studies involving humans.
10. Explain the term "informed consent".
11. Enumerate the factors one considers when budgeting for research.
12. Describe the contents of an executive summary.

DEED

**SECTION B : 20 MARKS EACH**

13. a) Discuss the role of Information and Communication Technology (ICT) in research.  
b) Explain the challenges of ICT in research.

*Handwritten mark*

14. In regards to the Tuskegee Syphilis study, discuss the consequences of poor ethical consideration in research.

15. a) Discuss reason why we analyse data

b) Explain features of scales of measurement of data one considers during research.

c) Describe the scales of measurement of data that can be used in research