



# KENYATTA UNIVERSITY

## UNIVERSITY EXAMINATIONS 2020/2021

### FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE MEDICAL LABORATORY

#### HSU 822 RESEARCH METHODS

DATE: Monday, 8th February 2021

TIME: 9.00 a.m. - 12.00 p.m.

**INSTRUCTIONS: Answer Any Three questions (30mks each)**

1. a) Explain the:
  - i. four types of research objectives (4 marks)
  - ii. term Research as defined by "Clifford Woody". (4 marks)
  - iii. significance of a pilot study (4 marks)
- b) Describe the essential elements required in a Method Section for an intervention research study proposal. (18 marks)
2. a) Explain the various types of Hypotheses (12 marks)
- b) "All studies do not require a hypothesis". Evaluate this statement (8 marks)
- c) Discuss "interview" as a technique of data collection (10 marks)
3. a) Distinguish between the Two types of variables (4 marks)
- b) Describe the characteristics of a good research topic (10 marks)
- c) "It is never safe to take published statistics at their face value without knowing their meaning and limitations." Discuss. (16 marks)
4. a) Describe the precautions that the researcher should take while interpreting his research findings (10 marks)
- b) Discuss the process of data analysis in quantitative research. (20 marks)