



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

THIRD YEAR SPECIAL/SUPPLEMENTARY FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH.

PPH 300: RESEARCH METHODS IN POPULATION HEALTH

DATE: 27/9/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS

SECTION A

Specific Instructions

- This section has one question
- This question is **COMPULSORY**
- The question is 30 Marks\

QUESTION ONE (30 MARKS)

- a) Define the following words as used in research methods (3 marks)
- i) Data
 - ii) Variable
 - iii) Hypothesis
- b) Highlight three items contained in the time plan for a research proposal (3 marks)
- c) Outline three disadvantages of using a key informant as a data collection instrument (3 marks)
- d) Identify three referencing techniques (3 marks)
- e) Outline three secondary data sources for literature review (3 marks)
- f) Identify three characteristics of cross sectional study (3 marks)
- g) Highlight the importance of pretesting research instruments (3 marks)
- h) Explain the use of research in the education system (3 marks)
- i) Highlight three characteristics of a good proposal (3 marks)

- j) Identify three important contents of a proposal abstract (3marks)

SECTION B:

Specific Instructions

- This section has four (4) question
- Answer any two (2) questions
- Each question is 20 Marks

QUESTION TWO (20 MARKS)

Use the following research title to answer the question below; “marital status and use of contraceptives among women of reproductive age (15-45 years) in Machakos County”

- a) Define the exclusion criteria of the target population in the above study (3 marks)
- b) Identify three post field logistics for the above the study (3 marks)
- c) Formulate three objectives for the above study (3 marks)
- d) Describe three steps used in formulation of the above study title (3 marks)
- e) State a null hypothesis for the above study (3 marks)
- f) Explain five characteristics of the above stated a research objective (Qns 2, iii) (5 marks)

QUESTION THREE (20 MARKS)

- a) Explain the coverage of background statement of a research proposal (10 marks)
- b) Describe three steps in selection of a topic area for research (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain advantages and disadvantages of focus group discussion in data collection (10 marks)
- b) Discuss five sources of research ideas (10 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss five types of probability sampling (10 marks)
- b) Explain five major contents of a research proposal (10 marks)