



TECHNICAL UNIVERSITY OF MOMBASA **B**

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR:
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT

DCHM 18S/DEH18S/DES18S /YEAR 2/SEMESTER 1

APH 2210 RESEARCH METHODS

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2019

TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE (30 MARKS)

a) Define the following terms as used in research:

i) Population 2 marks

ii) Hypothesis 2 marks

b) Distinguish between

i) Inferential statistic and descriptive statistic. 4 marks

ii) Primary source of data and secondary source of data. 4 marks

iii) Cross sectional study design and longitudinal study design. 4 marks

c) Outline the purpose of literature review. 5 marks

d) Illustrate five factors that contribute to data quality in research process. 5 marks

c) State two main methods of identifying research problem. 4 marks

QUESTION TWO

Discuss the components of the introduction in a research proposal. 15 marks

QUESTION THREE

Describe the ethical issues related to research and research subjects. 15 marks

QUESTION FOUR

a) Differentiate qualitative and quantitative research methodologies. 8 marks

b) Give three advantages and two disadvantages of using both qualitative and quantitative research methodologies. 5 marks

c) Describe error in research. 2 marks

QUESTION FIVE

a) Discuss methods of distributing questionnaire for data collection. 10 marks

b) Elucidate the characteristics of a good hypothesis. 5 marks