

KASNEB

CICT PART III SECTION 6

RESEARCH METHODS

FRIDAY: 26 May 2017.

Time Allowed: 3 hours.

Answer ALL questions. Marks allocated to each question are shown at the end of the question.

QUESTION ONE

- (a) Explain the four steps followed in cluster sampling. (4 marks)
- (b) Examine four sources of knowledge in research. (4 marks)
- (c) Discuss four hints that would help a researcher to determine the scope of literature review. (4 marks)
- (d) (i) Explain the purpose of descriptive statistics in research. (2 marks)
- (ii) Summarise three factors that determine the choice of statistical procedure in data analysis. (6 marks)
- (Total: 20 marks)**

QUESTION TWO

- (a) Identify six main features of scientific research. (6 marks)
- (b) Describe four steps you would follow in formulating a research problem. (4 marks)
- (c) Discuss five reasons for the importance of research in modern times. (10 marks)
- (Total: 20 marks)**

QUESTION THREE

- (a) (i) Describe the questionnaire method of data collection. (4 marks)
- (ii) Outline four advantages of administering questionnaires online. (4 marks)
- (b) Citing an example in each case, discuss four types of scales used in data measurement. (8 marks)
- (c) Explain two types of hypothesis. (4 marks)
- (Total: 20 marks)**

QUESTION FOUR

- (a) Explain the concept of simple random sampling as used in research. (4 marks)
- (b) Highlight six problems encountered by enumerators and researchers during fieldwork. (6 marks)
- (c) Discuss five contents of a popular research report. (10 marks)
- (Total: 20 marks)**

QUESTION FIVE

- (a) Summarise four features of quantitative research. (4 marks)
- (b) Explain four common errors made in research. (4 marks)
- (c) Identify four challenges that a researcher could face while using the internet as a medium for research. (4 marks)
- (d) (i) Analyse four limitations of survey research. (4 marks)
- (ii) Distinguish between “basic research” and “applied research”. (4 marks)
- (Total: 20 marks)**