

KASNEB

CICT PART III SECTION 6

RESEARCH METHODS

FRIDAY: 25 November 2016.

Time Allowed: 3 hours.

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

QUESTION ONE

- (a) Distinguish between “research methods” and “research methodology”. (4 marks)
- (b) Identify six techniques of generating research ideas that could lead to a feasible research topic. (6 marks)
- (c) Explain four reasons why literature review is important while conducting research. (4 marks)
- (d) In the context of credibility of research findings, examine the concepts of reliability and validity. (6 marks)
- (Total: 20 marks)**

QUESTION TWO

- (a) Summarise four qualities of an effective abstract. (4 marks)
- (b) Discuss eight uses of computers in research. (8 marks)
- (c) Examine the following four ethical issues in relation to research:
- (i) Fabrication of data. (2 marks)
- (ii) Principle of anonymity. (2 marks)
- (iii) Principle of voluntary participation. (2 marks)
- (iv) Plagiarism. (2 marks)
- (Total: 20 marks)**

QUESTION THREE

- (a) Justify the need for sampling while carrying out a research. (4 marks)
- (b) Describe four circumstances under which the use of non-probability sampling technique is most appropriate. (4 marks)
- (c) Examine three principles that form the basis of experimental design. (6 marks)
- (d) Examine six functions of hypotheses in research. (6 marks)
- (Total: 20 marks)**

QUESTION FOUR

- (a) Primary data can be collected either through experiment or through survey.
- With reference to the above statement, explain four methods of collecting data through survey. (8 marks)
- (b) Identify four factors that should be given consideration before developing a research design. (4 marks)
- (c) Describe any two graphical methods of presenting data. (4 marks)
- (d) Summarise four qualities of a good research proposal. (4 marks)
- (Total: 20 marks)**

QUESTION FIVE

- (a) Explain four features of a good problem statement. (4 marks)
- (b) Discuss six limitations of the case study method in qualitative research. (6 marks)
- (c) Summarise the steps followed in writing a research report. (10 marks)

(Total: 20 marks)

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