



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2021/2022 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER EXAMINATION

**FOR THE DIPLOMA IN HUMAN NUTRITION AND
DIETETICS/DIPLOMA IN HOSPITALITY AND
INSTITUTIONAL MANAGEMENT**

COURSE CODE: DND 076/DHIM 028

COURSE TITLE: RESEARCH METHODS

DATE: 22/4/2022

TIME: 8:00-10:00 AM

INSTRUCTIONS TO CANDIDATES:

Answer all questions in Section A and Section B

Answer ANY TWO questions in Section C

Read additional instructions under each section

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 4 Printed Pages. Please Turn Over.



SECTION A: This section consists of TEN Multiple Choice Questions (MCQs) of One Mark each. Answer all questions in this section. (Total = 10 Marks)

1. A formal document that presents the research objectives, design of achieving these objectives, and the expected outcomes/deliverables of the study is called?
 - A. Research design
 - B. Research proposal
 - C. Research hypothesis
 - D. Research report

2. Which of the following is a major reason why researchers review the existing literature?
 - A. To make sure you have a long list of references
 - B. Because without it, you could never reach the required word-count
 - C. To find out what is already known about your area of interest
 - D. To help in your general studying

3. The main objective of study is to acquire knowledge
 - A. Exploratory
 - B. Descriptive
 - C. Diagnostic
 - D. Descriptive and Diagnostic

4. A statement of the quantitative research question should:
 - A. Extend the statement of purpose by specifying exactly the question(s) the researcher will address
 - B. Help the research in selecting appropriate participants, research methods, measures, and materials
 - C. Specify the variables of interest
 - D. All the above

5. In a survey there is an enumerator and a
 - A. Guide
 - B. Respondent
 - C. Supervisor
 - D. Messenger

6. What are the core elements of a Research Process?
 - A. Introduction; Data Collection; Data Analysis; Conclusions and Recommendations
 - B. Executive Summary; Literature Review; Data Gathered; Conclusions; Bibliography
 - C. Research Plan; Research Data; Analysis; References
 - D. Introduction; Literature Review; Research Methodology; Results; Discussions and Conclusions

7. Which one of the following is a non-probability sampling technique?
 - A. Quota sampling
 - B. Cluster sampling
 - C. Systematic sampling
 - D. Stratified random sampling

8. The term SPSS is an acronym which means?
 - A. Statistical Predictions for Social Sciences.
 - B. Sexual Preferences for the Sixties and Seventies.
 - C. Statistical Package for the Social Sciences.
 - D. Sexual Performance and SAD Syndrome.

9. What type of chart is useful for comparing values over categories?
 - A. Pie Chart
 - B. Column Chart
 - C. Line Chart
 - D. Dot Graph

10. The final stage in the Research Process is
 - A. Problem formulation
 - B. Data collection
 - C. Data Analysis
 - D. Report Writing

SECTION B: This section consists of FIVE Short Answer Questions of Six Marks each. Answer all questions (Total = 30 Marks)

11. Differentiate between the following terms as used in research ;
 - a. Null and alternative hypothesis. (2 marks)
 - b. Qualitative and quantitative data. (2 marks)
 - c. Descriptive and correlational research. (2 marks)
12. a. Define the term research design (2 marks)
 - b. State any **FOUR** considerations to make when selecting a research design. (4 Marks)
13. Highlight **SIX** advantages of using soft wares for data analysis. (6 marks)
14. State **SIX** ethical issues concerning research participants. (6 marks)
15. Highlight **SIX** characteristics of a scientific research. (6 marks)

SECTION C: This section consists of THREE Long Answer Questions of Fifteen Marks each. Answer ANY TWO questions (Total = 30 Marks)

16. Study the following example of a research title and answer the questions that follow
“Influence of Exclusive Breastfeeding (EBF) Practices by caregivers on child growth and nutrition status 6-59 months in Kakamega County”
 - a. From the title state one broad objective and three specific objectives that can be studied under this research. (4 Marks)
 - b. Derive research questions or hypotheses from the objectives stated in (a) above (3 Marks)
 - c. State the dependent and independent variables of this study. (4 Marks)
 - d. Briefly describe the research design you will use for this study (4 Marks)
17. a. Name **FIVE** sources of a research problem. (5 Marks)
 - b. Explain **FIVE** considerations to be made when selecting a research problem. (10 Marks)
18. a. Name **FIVE** tools that can be used for presenting statistical data. (5 Marks)
 - b. Discuss **FIVE** probability sampling methods used in research. (10 Marks)