



MSc.
3rd Sem.
2020

DEPARTMENT OF FOOD TECHNOLOGY

SCHOOL OF INTERDISCIPLINARY SCIENCES AND TECHNOLOGY (SIST)

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Course: MSc. Nutrition and Dietetics, March – 2023

Odd Semester (Semester -1st)

MDNCC 103: RESEARCH METHODOLOGY-I

Roll No:.....

Time: 3 hours

Maximum Marks: 60

Note: The paper is divided into three sections A, B and C.

Part A. Attempt any ten questions.

Part B. Answer any two from detailed question.

Part C. Attempt any four short questions

PART A

Explain **any ten** of the following terms:

10 × 1=10

a) Sampling frame	1	(CO-1,3,4, PO-3,8)
b) Action research	1	(CO-1,3,4, PO-3,8)
c) Primary data	1	(CO-1,3, PO-3,8)
d) Variable	1	(CO-1,3,4, PO-3,8)
e) Reliability	1	(CO-1,3,4, PO-3,8)
f) Snowball sampling	1	(CO-1,2,3, PO-3,8)
g) Bias	1	(CO-1,2, PO-3,8)
h) Secondary data	1	(CO-1,3,4, PO-3,8)
i) Informed consent	1	(CO-1,3, PO-3,8)
j) Research design	1	(CO-1,3, 4, PO-3,8)
k) Characteristics of a good sampling design	1	(CO-1,3,4, PO-3,8)
l) Independent variable	1	(CO-1,3,4, PO-3,8)

PART B

15× 2=30

Answer **any two from** detailed question.

a) Classify and explain the type of sampling methods used in research with their merits and demerits.	15	(CO-1,3, PO-3,8)
b) What are the steps which a researcher needs to keep in mind before conducting a research study? Enumerate all the steps with the help of process flow chart.	15	(CO-1,3, PO-3,8)
c) What is a hypothesis, its types and mention characteristics of hypothesis?	15	(CO-1,3, PO-3,8)
d) What is a questionnaire? Give its merits and demerits. What are the key points to be remembered while constructing a questionnaire?	15	(CO-1,3, PO-3,8)
e) What are the factors which influence selection of appropriate method of data collection?	15	(CO-1,3, PO-3,8)

f)	What are the characteristics of a good researcher? What are the ethical considerations that one needs to keep in mind while writing a research paper?	15	(CO-1,3,5, PO-3,8)
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PART C

Write short notes on *any four* of the following:

4 × 5 = 20

a)	Plagiarism	5	(CO-1,5, PO-3,9)
b)	Review of literature	5	(CO-1,3,4, PO-3,8)
c)	Interview schedule	5	(CO-1,3, PO-3,8)
d)	Type I and type II error	5	(CO-1,3, PO-3,8)
e)	Observation method	5	(CO-1,3, PO-3,8)
f)	Classification of measurement scales	5	(CO-1,3, PO-3,8)
g)	Reference writing	5	(CO-1,3,4, PO-3,8)