SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.
M.Sc. FSND - END SEMESTER EXAMINATIONS APRIL - 2024
SEMESTER - II
20PNDCT2004 - Research Methods in Nutrition

Total Duration : 2 Hrs. 30 Mins.   Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. Explain the types and errors in hypothesis testing.

2. Describe the difference between structured and unstructured interviews.

3. Compute the mean, median, and mode for a dataset of 10,15,20,25,25,30,35,40.

4. Describe the usage of reference manager in academic writing.

5. What is the difference between probability and non-probability sampling techniques?

6. Classify the types of questions used in surveys based on their level of complexity.

7. Discuss in detail about IN VITRO and IN VIVO.

8. Differentiate between Turnitin and Scribbr.

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks)

9. Classify various types of research designs commonly used in nutrition research.

10. Classify different types of scaling methods used in research.

11. Differentiate between the pilot study and KAP5 survey.

12. Ten young recruits were put through a strenuous physical training programme by the army. Their weights (in kg) were recorded before and after with the following results:

Recruit	1	2	3	4	5	6	7	8	9	10
Weight before	127	195	162	170	143	205	168	175	197	136
Weight after	135	200	160	182	147	200	172	186	194	141

Using 5% level of significance, should we conclude that the programme affects the average weight of young recruits (Apply t-test)?

II - Compulsory question $(1 \times 10 = 10$ Marks)

13. Infer on the steps to be followed in writing a research report.

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