Reg. No :...............................

Name :.................................

MASTER'S DEGREE (C.S.S) EXAMINATION, MARCH 2024
2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
M. Voc. Food Processing Technology SEMESTER II - GENERAL
VFPT2G05TM20 - Research and Biostatistics

Time : 3 Hours   Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight   **(8x1=8)**

1. State the importance of research design in a research.

2. Identify the qualities of a researcher.

3. Give your understanding on Pilot study .

4. Clearly explain the difference between collection of data through questionnaire and schedule

5. Write a short note on documentation in the context of a research report.

6. Write short notes on bibliography and its importance in context of research report.

7. Differentiate between correlation and regression

8. Find mean, median and mode for the following data which represents the weekly wages (in rupees) of the employees:

Weekly wages(in Rs)	900	1000	1100	1200	1300	1500	2000
No. of employees	15	4	6	10	12	5	3

9. Give your understanding on laws of probability.

10. Identify the various non parametric tests.

Part B

II. Answer any Six questions. Each question carries 2 weight   **(6x2=12)**

11. Give your understanding on literature review

12. The task of defining the research problem often follows a sequential pattern. Explain with an example.

13. Explain in detail about Sampling design.

14. Explain the significance of research report and narrate the various steps involved in writing such a report.

15. Elucidate on mean.

16. The weekly observations on cost of living index in a certain city for a particular year are given below:

Cost of Living Index	120-130	130-140	140-150	150-160	160-170	170-180
Number of weeks	10	5	7	9	6	4

Calculate the mean weekly cost of index of living by a) Direct method   b) Assumed mean method

17. Give your understanding on Binomial and Poisson distribution.

18. Elucidate on normal distribution and its importance.

Part C

III. Answer any Two questions. Each question carries 5 weight   **(2x5=10)**

19. Briefly explain about classification of research.

20. Briefly explain about classification and tabulation of data.

21. Explain briefly about the characteristics, importance and branches of statistics.

22. Explain in detail about statistical testing