QP CODE: 21102482

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Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

First Semester

B.Sc Psychology Model I

Complementary Course - ST1CMT21 - BASIC STATISTICS- PAPER I

2017 Admission Onwards

FF55FB06

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define Statistics.
2. Mention any two uses of Statistics.
3. Explain continuous data with examples.
4. Write down the difference between ordinal scale and interval scale.
5. How will you construct a piediagram?
6. How will you construct a histogram?
7. Define statistical population.
8. Mention the requisites of a good sampling method.
9. Define non probability sampling.
10. What are the commonly used measures of central tendency?
11. What are the merits of median?
12. Give any 4 advantages of arithmetic mean.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What are the aspects we should consider before choosing a secondary data?
14. What are the advantages and disadvantages of sampling?

15. What are the points to be kept in mind while preparing a frequency table?

16. Distinguish between graphs and diagrams.

17. Define ogives. Explain its construction.

18. What are the advantages and disadvantages of sampling?

19. Describe how lottery method is used to select random samples?

20. Explain stratified sampling .Compare it with simple random sampling.

21. Define arithmetic mean. Find the simple and weighted arithmetic mean of first n natural numbers, the weights being the corresponding numbers.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. What are the different types of classification

23. What is meant by Sampling? What are the various methods for selecting samples?

24. (i)Define mode. (ii)Calculate mode from the following data

Class:	10-19	20-29	30-39	40-49	50-59	60-69	70-79
Frequency:	14	20	42	54	45	18	7

25. Explain the properties of arithmetic mean.

(2×15=30)