QP CODE: 23104677

Reg No : ....

Name : ....

B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.Sc Psychology Model I

Complementary Course - ST1CMT21 - BASIC STATISTICS- PAPER I

2017 Admission Onwards

4980DE61

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Mention any two uses of Statistics.

2. Distinguish between variables and attributes.

3. Define statistical population.

4. Distinguish between bar diagram and histogram.

5. How will you construct a piediagram?

6. How will you construct a histogram?

7. Write any two limitations of sampling.

8. Give an example of systematic sampling.

9. Distinguish between probability sampling and non-probability sampling.

10. Find the mean of first n even natural numbers.

11. What are positional averages? Give an example.

12. When will you say that mode is ill defined?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Write the functions of statistics.

14. Briefly explain various scaling techniques in statistical analysis.

15. What is Primary data? what are its advantages and disadvantages?

16. What is meant by tabulation? What are the different parts of a table?

17. Explain the method of finding median using ogives.

18. Explain different sampling techniques.

19. Explain Random sampling Techniques.

20. Distinguish between systematic and stratified random sampling.

21. What are the properties of a good measure of central tendency?

$(6×5=30)$

Part C

*Answer any **two** questions.*

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

22. What are different types of frequency tables? Explain how they are constructed with suitable examples.

23. *Distinguish between census and sampling methods of collecting data and compare their merits.*

24. Explain the properties of arithmetic mean.

25. Define mode. Give the formula for grouped data. Mention its merits and demerits.

$(2×15=30)$