



QP CODE: 25020439



25020439

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE
EXAMINATIONS, FEBRUARY 2025**

Sixth Semester

B.Sc Botany and Biotechnology Model III Double Main

CORE COURSE - BO6CRT13 - BIOSTATISTICS

2017 Admission Onwards

F5E8EF07

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What do you mean by biometry?
2. What do you mean by frequency?
3. Distinguish between overlapping (Exclusive method) and Non-overlapping (Inclusive method) frequency table.
4. Define frequency curve.
5. Define kurtosis.
6. How many possible outcomes are expected for tossing 4 coins simultaneously?
7. What are the different forms of poisson distribution?
8. Explain the term test of significance.
9. Write the equation for the calculation of chi square.
10. What is completely randomized design?
11. Expand ANOVA.
12. Which are the types of regression analysis?

(10×1=10)

Part B

*Answer any **six** questions.*

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





13. Explain sampling methods.
14. State merits and demerits of median.
15. Write a note on standard deviation and standard error.
16. How addition theorem differs from multiplication theorem?
17. What is normal distribution? Explain.
18. What is extrapolation? What is its significance in biological research?
19. Write a brief note on CHART preparation using computer tools.
20. How two way ANOVA differs from one way ANOVA?
21. What are the applications of MANOVA in biological research?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Write an essay on data.
23. How probability distributions are classified? Explain.
24. How to analyse the errors in hypothesis judging explain with example?
25. Write an essay on correlation with a special mention on types of correlation with the help of examples.

(2×10=20)

