QP CODE: 24000681

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024

Sixth Semester

B.Sc Botany and Biotechnology Model III Double Main

CORE COURSE - BO6CRT13 - BIOSTATISTICS

2017 Admission Onwards

9C3EAE5A

Time: 3 Hours   Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1.   What is population?

2.   What is meant by class frequency?

3.   What is meant by random sampling?

4.   What is meant by standard deviation?

5.   Define kurtosis.

6.   Why probability distribution is introduced?

7.   Write the alternative name of binomial distribution?

8.   Explain the term test of significance.

9.   Define type I error.

10. What is extrpolation?

11. What is ANOVA?

12. What do you mean by non- linear correlation?

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Explain the advantages and disadvantages of graphic representation of data.

14. Explain various types of bar diagram.

15. State merits and demerits of median.

16. What is poisson distribution? Explain breifly?

17. What are the assumptions employed for the calculation ofnormal distribution?

18. Write a brief account on chi square test?

19. Write a brief description of RBD?

20. What are the applications of two Way ANOVA in biological research?

21. Write a brief accont on MANOVA?

(6×5=30)

Part C

Answer any **two** *questions.*
Each question carries **10** *marks.*

22. Write an essay on data.

23. Explain a brief account on different types of probability, rules of probabilitya nd application.

24. Write a brief account on the application of Mstat biological research.

25. Briefly describe correlation and regression with an explanation on their applications and examples.

(2×10=20)