

**MODEL QUESTION PAPER**  
**KAHM UNITY WOMEN'S COLLEGE, MANJERI**  
**DEPARTMENT OF BOTANY-**  
**Certificate Course Exam, October 2022**  
**Code- Applied Biostatistics**

Time: 1 Hour Max Marks: 30

**Section A**

Answer at least ten questions. Each question carries 1 mark.

All questions can be attended. Overall ceiling 10.

1. Differentiate between primary and secondary data
2. Explain standard deviation
3. Write a short account on coefficient of variation
4. Statistics in biological research
5. Co efficient of variation
6. Distinguish standard error from standard deviation
7. Explain null hypothesis
8. Explain Chi-square test.
9. Significance of statistical tools in data interpretation
10. Write a short note on Measures of dispersion
11. Poisson distributions.

(10X1= 10 Marks)

**Section B**

Answer at least five questions. Each questions carries 2 marks.

All questions can be attended. Overall ceiling 10.

12. Explain random sampling and stratified sampling
13. Explain correlation and regression
14. Write an account of collection of data
15. Compare mean deviation and standard deviation
16. Explain co efficient of regression

17. Explain different representations of data

(5X2= 10 Marks)

### **Section C**

Answer any two questions. Each questions carries 5 marks

18. Write an essay on collection and classification of data

19. Write an essay on measures of dispersion

20. Give an account of various experimental design and mention their significance

(2X5= 10 Marks)