



QP CODE: 25050768



25050768

Reg No :

Name :

MSc DEGREE (CSS) EXAMINATION DECEMBER 2025

First Semester

M.Sc Fishery Biology and Aquaculture

Core Courses - AQ030104 - BIOSTATISTICS AND COMPUTER APPLICATIONS

2019 Admission Onwards

B9BC5988

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. How do you plan a statistical survey?
2. What is meant by Independent events?
3. What is a Pictogram?
4. Differentiate between parameter and statistic.
5. Binary number system is also called ---- number system.
6. What are the characteristics of GUI.
7. BIOS stands for?
8. Name 2 impact printers.
9. What is antivirus?
10. Write a short note on C-language.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Define the Measures of dispersion
12. Define Karl Pearson's coefficient of correlation with suitable examples
13. Differentiate between Mean and range charts
14. Briefly explain primary memory and secondary memory.
15. Briefly describe servers.





16. Explain the features of Word Processor.
17. Briefly explain Modem and Gateway.
18. Briefly explain the cyber laws

(6×2=12 weightage)

Part C (Essay Type Questions)

Answer any **two** questions.

Weight 5 each.

19. In a regression analysis of heights of fathers (X in inches)and heights of their sons (Y in inches)the following results are available: $\Sigma X= 544, \Sigma X^2= 37028, \Sigma Y=552, \Sigma Y^2 =38132, \Sigma XY- 37560$ and $n=8$. Obtain the two regression equations? Estimate the height of son corresponding to 60 inches of his father? Obtain the correlation coefficient heights of fathers and their sons?
20. A new medicine has been invented. Its efficacy has been compared with the old one. The following table gives the figures. Is the low relative frequency of deaths under the new treatment due to chance?

$$(\chi^2_{0.05}(1) = 3.841)$$

	<i>Died</i>	<i>Recovered</i>
<i>Old medicine</i>	15	85
<i>New discovery</i>	4	77

21. Explain various types of Operating System.
22. Give an account of Remote sensing and its application in Fisheries.

(2×5=10 weightage)

