

2025

M.Sc. 1st Semester Examination

FISHERIES SCIENCE

Paper : FSCE404A0

[Statistics and Bioinformatics]

Full Marks : 25

Time : One Hour

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *two* questions : $2 \times 2 = 4$

1. Define variable. Classify variables.
2. What is bioinformatics?
3. State on scatter diagram.
4. What do you mean by frequency density?

Group - B

Answer any *two* questions : $4 \times 2 = 8$

5. How to estimate the Mean and SD of composite group?
6. Discuss different bioinformatics tools used in fisheries sector.

P.T.O.

(2)

7. Find the missing frequencies from the following data :

X	5.1-6.0	6.1-7.0	7.1-8.0	8.1-9.0	9.1-10.0	10.1-11.0	11.1-12.0
f	3	8	27	14	17	11	9

Mean = 8.53

8. Arrange any 30 data in the form of frequency distribution table mentioning class interval, class frequency, class limit, class boundaries, mid value and mean.

Group - C

Answer any *one* question : $8 \times 1 = 8$

9. What is ICT? Discuss the importance of AI in aquafarming. $2+6$
10. What is Covariance? Find out the correlation coefficient and Standard Error of correlation coefficient from the following data :

X	65	63	67	64	68	62	70	66
Y	68	66	68	65	69	66	68	65

$2+6$

Internal Assessment : 5 marks
