

2025

M.Sc. 3rd Semester Examination

FISHERIES SCIENCE

Paper : FSC - 301

**(Fisheries Statistics, Research
Methodology & Ethics)**

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.*

1. Answer any *two* questions : 2×2=4

(a) Write down the APA and MLA format for referencing in research.

(b) Find out the median

(i) 32, 22, 29, 26, 40, 21

(ii) 3.1, 2.6, 5.0, 4.7, 2.4, 3.9, 5.1, 3.6

(c) What is hypothesis? Classify hypothesis.

(d) Find out the mean of composite group explain with an example.

2. Answer any *two* questions : 4×2=8

(a) Discuss the different steps for writing a good research proposal.

P.T.O.

(2)

- (b) Explain different types of Bar diagram with proper example.
- (c) Discuss the different statistical application used in research process.
- (d) Discuss the ethics related to scientific misconduct in research.

3. Answer any *one* question :

8×1=8

- (a) What is research? Write the steps of research process. Find out the mission frequencies from the following data, where AM = 67.45.

Weight of fish (g)	60-62	63-65	66-68	69-71	72-74	Total
Number of fish	5	18	f_3	f_4	8	100

1+3+4

- (b) Classify different measures of dispersion. Write down the formula for calculation of Mean deviation with frequency distribution. For a distribution of 280 observations, mean = 54 and SD = 3. On checking it was discovered that observations which should be correctly read as 62 and 82 has been wrongly recorded as 64 and 80 respectively. Calculate the correct value of mean and standard deviation.

2+1+5

Internal Assessment : 5 marks
