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Reg. No. : .....

Name : .....

Ph.D. ENTRANCE EXAMINATION 2023

FACULTY OF SCIENCE

AQUATIC BIOLOGY AND FISHERIES

Time : 3 Hours Max. Marks : 100

Instructions **:**

1) *Answer **any ten** questions each from* Section ***A*** *and* Section ***B.***
2) *Each question carries **5** marks.*
3) *No additional Answer sheets will be provided.*
4) *Candidates should clearly indicate the section, Question number in the answer booklet.*

Section – A

Research Methodology

Answer any **ten** questions. Each question carries **5** marks.

1. Cite score
2. Intellectual property
3. Value neutrality in research
4. Analysis of variance
5. Ex-post facto design
6. FINER criteria for good research question
7. Participatory research

8. Types of research hypotheses

9. Quantitative research

10. Research surveys

11. Software for checking plagiarism

12. Case study research

13. Limitations of qualitative research

14. Types of data

15. Hypothesis testing

(10 × 5 = 50 Marks)

Section – B

Aquatic Biology and Fisheries

Answer any **ten** questions. Each question carries **5** marks.

1. River continuum and its impact on aquatic biodiversity

2. Technological advances in mariculture

3. Harmful algal blooms

4. Capture fisheries in wetlands

5. Blue carbon ecosystems

6. C:N ratio in aquaculture farms

7. Census of marine life

8. Cage culture of Cobia

9. Homeostasis in fishes

10. Fish stock enhancement programs

11 . Marine anticancer agents

12. eDNA metabarcoding

13. Heterogenous individual growth in scampi

14. Microbial nitrogen fixation

15. Trends in oil sardine fishery

(10 × 5 = 50 Marks)

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