

20P414

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Name:

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC19P ZO4 E11 - FISHERY SCIENCE II

(Zoology- Elective Course)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions. Each question carries 2 weightage.

1. What is Bombay duck? Comment on its economic importance.
2. Explain the working of biological filters used in an aquarium?
3. What is the peculiarity of cold water aquaculture? Mention the names of any three fish species used in cold water aquaculture.
4. What are the major types of 'Live Feeds' regularly used in aquaculture?
5. Explain raft culture?
6. What is the importance of measuring Dissolved Oxygen level in an aquaculture pond?
7. Explain raceway culture?

(4 × 2 = 8 Weightage)

II. Answer any *four* questions. Each question carries 3 weightage.

8. Give a brief description of Milkfish Fishery.
9. Explain the technique and methodology of Hypophysation.
10. Describe the features, benefits and risks of intensive fish culture.
11. Explain the methodology and benefits of traditional paddy cum fish culture practiced in Kerala.
12. Discuss the method of cryopreservation of fish gametes. Add a note on cryoprotectants.
13. Explain the methods practiced for eliminating weeds and pests from aquaculture ponds.
14. Explain the most important factors to be considered in selection of pond construction sites.

(4 × 3 = 12 Weightage)

III. Answer any *two* questions. Each question carries 5 weightage.

15. Explain the identifying features and culture practices of the Indian major carps and exotic carps, cultivated in Kerala.

16. Delineate different types of ponds used in an aquaculture farm and explain the structural features of a culture pond.
17. Elaborate the culture of pearl oysters and explain the methodology of artificial induction of pearl formation in pearl oysters.
18. Discuss the symptoms of major fungal, bacterial and protozoan diseases encountered in culture fishes. Add a note on their control measures.

(2 × 5 = 10 Weightage)
