

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, MARCH 2020

(CUCSS)

Zoology

ZO 4 ET 11—FISHERY SCIENCE—II : CAPTURE AND CULTURE FISHERIES

Time : Three Hours

Maximum : 36 Weightage

Part A

I. Short answers. Answer *all* questions. Each question carries 1 weightage :

- 1 What is a core trench ?
- 2 What are the by-products from Tuna ?
- 3 Distinguish between semelparity and iteroparity.
- 4 What is a spent fish ?
- 5 Give the scientific names of silver and black pomfret.
- 6 What is a cryoprotectant ? Give two examples.
- 7 What are euryphagic fishes ?
- 8 What is aquatic chicken ?
- 9 Distinguish pens and enclosures.
- 10 Name any *two* weed fishes.
- 11 Significance of liming in a fish pond.
- 12 What is dry fertilization ?
- 13 What is sport fishing ?
- 14 What is a bundh ?

(14 × 1 = 14 weightage)

Part B

II. Answer in a paragraph. Answer any *seven* questions. Each question carries 2 weightage :

- 15 Describe the culture methods employed for oysters.
- 16 Give an account on the brackish water fishery of Kerala.
- 17 Comment on the significance of live feeds in home aquaria.
- 18 Write a brief account on the monoculture system of trout.

Turn over

- 19 Discuss the role of traps in capture fisheries.
- 20 Enlist the precautionary steps involved in the transportation of fish seeds.
- 21 Give a short note on crab fattening.
- 22 Discuss the various physio-chemical parameters of water which influence the productivity of a pond.
- 23 Give an account on fungal diseases among fishes.
- 24 Describe the breeding habits of *Etroplus*.

(7 × 2 = 14 weightage)

Part C

III. Essay Type. Answer any *two* questions. Each question carries 4 weightage :

- 25 Describe the effect of hormones and neurosecretion in the control of reproduction.
- 26 Explain mackerel fisheries of India with emphasis on recent developments.
- 27 What is integrated fish farming ? Explain the different methods of integrated culture.
- 28 Write an essay on riverine fisheries of India.

(2 × 4 = 8 weightage)