

Roll No. Total No. of Printed Pages : 4

Code No. : B04-405

Fourth Semester Online Examination, May-June, 2022

M. Sc. ZOOLOGY

Paper - IV

FISHERIES AND AQUACULTURE

Time : Three Hours] [Maximum Marks : 80

Note : ● Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.

● Part C (Short answer type) and D (Long answer type) of each question should be answered within the word limit 200-250 and 400-450 words.

Unit-I

1. (A) What are the optimum levels of pH, temperature & dissolved oxygen for fish culture ? 2
- (B) Write identification features of Mrigala. 2
- (C) Write advantages of Induced breeding. 4

Or

Explain role of biological factors in fish culture.

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- (D) What is hatchery ? Discuss the important criteria for the establishment of hatchery. 12

Or

Write note on construction and maintenance of fish farm.

Unit-II

2. (A) Which type of crafts are used on the west coast for fishing ? 2
- (B) How to transport fish seed ? 2
- (C) Write a note on unconventional method of fishing. 4

Or

Write a note on transportation & stocking of brood fish.

- (D) Give a detailed account on Riverine fisheries. 12

Or

Write about habitat, types & characteristics of marine fisheries.

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Unit-III

3. (A) What is integrated fish farming ? 2
- (B) Give name of any four fishes cultured in rice field. 2
- (C) Explain principle of composite fish forming & how it is beneficial ? 4

Or

Give advantages of fish cum poultry culture.

- (D) Give a detailed account on sewage fed fisheries. 12

Or

Describe about paddy cum fish culture its advantages and precautions.

Unit-IV

4. (A) Enlist the types of Pearls. 2
- (B) What is Prawn processing ? 2
- (C) Write a note on methods of fish preservation. 4

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Or

Give an account on any four protozoan diseases in fishes.

- (D) Explain various economic value of fishes. 12

Or

How to maintain an Aquarium for fresh water fishes ?

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