

Roll No.....

Total No. of Sections : 03

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Code No. : 04/405(A)

Fourth Semester Examination, May-2018

M.Sc. ZOOLOGY

Paper - IV

FISHERIES AND AQUACULTURE

Time : 3 Hrs.

Max.Marks : 80

Note : Section 'A' consists of 10 very short answer type questions, all of which are compulsory and should be attempted first. Section 'B' consists of four short answer type questions with internal options. Section 'C' consists of four long answer type questions with internal choice.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences : (2×10=20)

- Q.1 Give the definition of Fish.
- Q.2 Write fin formula of Channa punctatus.
- Q.3 Which type of crafts are used on the west coast for fishing?
- Q.4 Give examples of Zooplankton used as biological factors in fish culture.
- Q.5 Give main objectives of fish culture.
- Q.6 Write principle of composite fish culture.
- Q.7 Give the scientific name of four species of carps.
- Q.8 Write any four characters of larvicidal fish.

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- Q.9 Write the name of any four fish which culture in sewage treated ponds.
- Q.10 Give the name of two protozoan disease.

Section - 'B'

Answer the following short-answer-type questions with word limit 200-250 : (5 4=20)

- Q.1 Write about various types of fish ponds essential for a fish farm.

OR

Write about biological control of aquatic weeds.

- Q.2 Write a note on unconventional methods of fishing.

OR

Write advantages of sewage fed fisheries.

- Q.3 Give an account of signs of sickness and defensive devices in fishes against diseases.

OR

Write advantages of exotic fish.

- Q.4 Write a note on equipments used in maintenance of aquarium.

OR

Give list of marine fishes used in aquarium.

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Section - 'C'

Answer the following long-answer-type questions with word limit 400-450 : (10 4=40)

- Q.1 What is hatchery? Discuss the important criteria for the establishment of hatchery.

OR

Describe various physical chemical and biological factors influencing fish culture.

- Q.2 Explain various methods of stocking and transport of fish seed and fry.

OR

Give an account of composite fish culture.

- Q.3 Describe the various methods of fish preservation.

OR

Explain the characteristics and classification of larvicial fishes.

- Q.4 What is marketing? Discuss general fish marketing trends in India.

OR

Explain Prawn culture in sea water.

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