

AQ - 995

Third Semester M. Sc. - II (CBCS) Examination
(New)

ZOOLOGY

Paper - XI

Fisheries - I

(Fish Nutrition, Capture and Culture Fishery)

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Draw well labelled diagrams wherever necessary.

1. Describe riverine Fisheries in India.

OR

Describe estuarine Fisheries and its resources.

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2. Attempt the following :—

- (a) Physiological role of nutrients.
- (b) Chemical composition of Fish.

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- (c) Formulation and processing of Feeds.
- (d) Food and Feeding of Freshwater fishes.

OR

- (e) Nutritional value of Fish.
- (f) Live feed culture.
- (g) Conventional and non – conventional feed sources.
- (h) Kinds of supplementary feeds. 16

3. Describe the following :—

- (i) Nursery pond management.
- (j) Aquatic insects and their control.
- (k) Physico–chemical properties of pond water.
- (l) Biological means of increasing production.

OR

- (m) Stocking pond management.
- (n) Manuring and liming of ponds.
- (o) Aquatic vegetation and its control.
- (p) Predatory and weed Fishes and their control. 16

4. Give an account on :—

- (q) Cage culture.
- (r) Sewage–fed Fisheries.
- (s) Growth rate and ageing.
- (t) Gonadosomatic index.

OR

- (u) Pen culture.
- (v) Types of hatcheries.
- (w) Methods of age determination.
- (x) Fish culture in Paddy Fields. 16

5. Describe in detail Prawn Fishery.

OR

Describe in detail maintenance of aquarium.

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