

M.Sc. SEMESTER-IV. (203A) ELECTIVE GROUP-A. ①

SET-I. FISH AND FISHERIES 2019-21.

Answer any Five Questions. Q.No 1. is Compulsory and any Four, not more than any Two from Each UNIT.

1. Choose the Correct Answer.

(i) Spawning of Fishes is Induced by Injecting Females with.

- a) Progesterone.
- b) Prostaglandin
- c) Estrogen.
- d) FSH and LH.

(ii) Cod Liver oil is rich in.

- a) Vitamin A and D.
- b) Vitamin A and C.
- c) Vitamin A and B.
- d) Vitamin A and E

(iii) The ultimobranchial glands secrete

- a) Calcitonin
- b) Hypocalcin
- c) urozoensins.

d) All of the above.

(iv) The Pituitary gland of Fishes are located at.

- a) Dorsal Surface of brain below optic chiasma.
- b) Ventral Surface of Brain below optic chiasma
- c) Floor of the Diencephalon.
- d) None of the above.

(v) The Corpus of stannius secrete.

- a) Calcitonin
- b) Hypocalcin
- c) urozoensins
- d) None of above.

(vi) What is the most common bioluminescence colour in marine life. (2)

- a) Red.
- b) Blue.
- c) Green.
- d) Red and yellow.

(vii) Three Carp Fishes Catla, Rohu and Mrigal Can be grown together in the same pond economically as they have.

- a) Positive interaction
- b) Commensalism
- c) Symbiosis.
- d) No Competition for food.

(viii) Bioluminescence is created by chemical reaction of

- a) Luciferin
- b) Luciferase.
- c) Oxygen.
- d) All of the above.

(ix) Which one of the following is not a Fishing gear.

- a) Net trap
- b) Hooks.
- c) Seines
- d) Craft.

(x) Furunculosis Caused by.

- a) Virus.
- b) Bacteria
- c) Fungi
- d) Worms.

UNIT-I

2. classify Aquatic Weeds. Give an Account of Control measures of Common Aquatic Weeds.
3. What is Hypophysation? Comment upon the Various steps involved in Induced breeding by hypophysation
4. Give an Account of Sewage fed Fish Culture. Comment upon its Importance in National Context.
5. Describe the drying and Salting methods of Fish preservation.

UNIT-II

6. Describe the Histophysiological Features of PITUITARY gland of a Teleost. Discuss its role in Fish reproduction.
7. What are crafts and Gears? Describe trapnets and dragnets
- ⑧ Give an Account of Costiasis, Dropsy and dermatomycosis and mention its treatment and Control measures.
- ⑨ Write short Notes on Any three of the Following.
 - a) Poison Glands in Fishes.
 - b) Corpus of Stannus.
 - c) Local Fish Catching devices.
 - d) Fish by Product.
 - e) Bundh Breeding.

Ravinder Singh
 Dean of Science.
 Univ. Deptt. of Zoology.

ANSWERS.
MULTIPLE CHOICE · Q. NO - I.

SET - I.

(i) a (ii) a (iii) a · (iv) b · (v) b · (vi) b · (vii) d ·
(viii) d · (ix) c · (x) b.

SET - II.

(i) b (ii) c · (iii) d · (iv) c · (v) b · (vi) a (vii) c
(viii) d · (ix) d · (x) a.

SET - III.

(i) a · (ii) a (iii) b · (iv) d · (v) c · (vi) d ·
(vii) d · (viii) c · (ix) a · (x) c.

Ravinder Singh
Univ Dept of Zoology.
K. V. Chaibasa.