

SET-III.

FISH AND FISHERIES · 2019-21.

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

1. choose the correct Answer.

(i) Which is the most suitable Fish for the culture in Sewage.

- a) Tilapia.
- b) Nothopterus.
- c) Catla
- d) Labeo

(ii) The Spawn Net is Called.

- a) Hapa
- b) Shoozing net.
- c) Gill net.
- d) Trap net.

(iii) Eichornia crassipes is grown in oxidation pond to remove.

- a) Ammonia
- b) Heavy metal.
- c) Carbon dioxide.
- d) All of the above.

(iv) which of the Following is not used for Fish preservation.

- a) Smoking.
- b) chilling
- c) Salting.
- d) Artificial feeding.

(v) Hormone regulation of osmoregulation and melanogenesis of Fishes.

- a) MSH.
- b) TSH.
- c) Prolactin
- d) Corticotropin.

(VI) Which one is an Exotic Fish.

- a) *Chanos Chanos*.
- b) *Labeo Calbasu*.
- c) *Cirrhina mrigala*.
- d) *Hypothalmichthys molitrix*

(VII) Cultivable fish species should be.

- a) Fast growing.
- b) Disease resistant.
- c) Consumer preferred.
- d) Fast growing, disease resistant and Consumer preferred.

(VIII) The productive water condition includes turbidity below 20 p.p.m and pH. in the range of.

- a) 5-6
- b) 6-7
- c) 7-8
- d) 8-9.

(IX) Algal bloom is reduced by fishes.

- a) Grass Carp
- b) Common Carp.
- c) Silver Carp.
- d) Catla Catla

(X) Which of the following Fishes is Viviparous.

- a) Salmon.
- b) Lamprey.
- c) Sharks.
- d) chimeras.

## UNIT-I.

SET-III. ③

2. Define Aquaculture. Discuss its Scope with reference to India.
3. Describe Induced Breeding in detail by Hypophysation & factors influencing it.
4. What do you understand by Bundh breeding, describe it detail along with types.
5. What are the different methods of Fish Preservation. Describe any Two of them in detail.

## UNIT-II.

6. Draw a neat labelled diagram of the Pituitary gland of a Teleost. fish showing its various Secretary Components. and role of GH, Prolactin and ACTH.
7. Illustrate the Pathological Features, Hygiene prophylaxis and curative measures of Costiasis, Ichthyophthiriasis and Dactylogyrosis.
8. Describe about the light producing organs in Fishes.
9. Write short Notes on any three of the Following.
  - a) Nutritional diseases.
  - b) Fish Spoilage.
  - c) Treatment of Sewage.
  - d) Fishing Gears.
  - e) Sound producing organs.

Ravinder Singh  
Dean of Sciences.  
Univ. Dept. 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.