

DAY - 18**SEAT NUMBER (****2022****III****25****1030****V - 164****(E)**

**FRESH WATER FISH CULTURE
PAPER - II (C-1)**

Time : 3 Hours**4 Pages****Max. Marks : 50**

- Instructions :** (1) *Question No. 1 is compulsory.*
(2) *Attempt any three from Q Nos. 2, 3, 4 and 5*
(3) *Attempt any one from Q. Nos. 6 and 7*
(4) *All questions carry equal marks.*

1. Fill in the blanks by choosing appropriate words, given below and rewrite sentence : (Any Ten)

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- (1) First Co-operative Society Act was passed in the year _____.
(i) 1960
(ii) 1904
(iii) 1978
- (2) _____ is the tributaries of Indus River System.
(i) Sutlej
(ii) Chambal
(iii) Narmada
- (3) _____ reservoir is situated at paithan.
(i) Nagarjun Sagar
(ii) Nath Sagar
(iii) Nizam Sagar
- (4) _____ fish having protruding lips.
(i) Dwarf Gaurami
(ii) Kissing Gaurami
(iii) Blue Gaurami

- (5) Aerator is used to _____ in aquarium tank.
- increase percentage of O_2
 - increase percentage of CO_2
 - increase percentage of $O_2 - CO_2$
- (6) _____ is the utilization of goods and services to satisfy human wants.
- Consumption
 - Utility
 - Demand
- (7) _____ is the fish producing society.
- Primary
 - District
 - Consumer
- (8) The goods are essential for easy human life are _____.
- necessaries
 - comforts
 - luxury
- (9) In India there are _____ river system.
- 3
 - 4
 - 5
- (10) _____ is scientific name of dwarf gourami.
- Colisa - lalia
 - Corasious - auratus
 - Betta splendana
- (11) Co-operative Society of registered in the office of _____.
- Tahsildar
 - District officer
 - Sub-registrar
- (12) _____ is the dominant species of godavari river.
- Labeo - gonitus
 - Labeo - fimbriatus
 - Labeo - calbasu

2. Answer in **one** sentence each of the following : (Any Ten)

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- (1) What is Ovipositors ?
- (2) Define : Lake
- (3) Who take part in co-operative movement in India for first time ?
- (4) Tributaries of Indus River System.
- (5) Role of light in Aquarium.
- (6) What is Parental Care ?
- (7) Importance of Siphon Tube.
- (8) Origin of Krishna River.
- (9) Who take parental care in betta splendana fish ?
- (10) What is ovo-viviparous condition ?
- (11) Scientific name of Sword Tail Fish.
- (12) One aquarium accessory.

3. Give appropriate reasons : (Any Ten)

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- (a) Fighting fish should not kept in community tank.
- (b) Aquarium should be kept away from window.
- (c) Insurance is essential in fish marketing.
- (d) Air is a free goods.
- (e) Fishing sector has bright future.
- (f) Live food is better than dry food.
- (g) Clearance of submerged obstruction is necessary.

4. Write short notes : (Any Five)

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- (a) Grading
- (b) Sexual dimorphism of Angel Fish
- (c) Utility
- (d) Middle Man
- (e) Price Structure
- (f) Indus River System
- (g) Aquarium Cement

5. Describe the Market Survey and merits and demerits of methods of Market Survey : 10
- (a) Define : Market Survey and Fishery Market
 - (b) Importance of Market Survey
 - (c) Personal Interview Method
 - (d) Mail Survey Method
 - (e) Telephone Survey Method
6. Describe the preparation and maintenance of Aquarium. 10

OR

6. Explain role in fishery development in national economy. 10
7. Give an account of 'Ganga River System'. 10

OR

7. Describe breeding in Guppy Fish. 10
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