

DAY - **18**

SEAT NUMBER

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2023

III

16

1100

V - 584

(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, from the words given in the bracket and rewrite the sentence : (Any Ten)

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(1) _____ is used to cut aluminium angle.

- (i) Hack-saw
- (ii) Heater
- (iii) Screw Driver

(2) _____ are naturally formed from depression on the earth surface which get filled with water.

- (i) Reservoirs
- (ii) Lake
- (iii) Dam

(3) Aquarium accessories are _____.

- (i) Lid
- (ii) Aquarium Cement
- (iii) File

(4) Co-operative Society is registered in the office of _____.

- (i) Tahasildar
- (ii) Sub-registrar
- (iii) District Officer

- (5) _____ is a three spot guarami.
- (i) Blue guarami
 - (ii) Dwarf guarami
 - (iii) Kissing guarami
- (6) Minor tributaries of river Godavari is _____.
- (i) Sabari
 - (ii) Indravati
 - (iii) Manjira
- (7) _____ River is in East-coast river system.
- (i) Narmada
 - (ii) Krishna
 - (iii) Ganga
- (8) _____ are those goods and services which satisfy the surplus wants of man.
- (i) Comforts
 - (ii) Necessaries
 - (iii) Luxury
- (9) Horse shoe shape lake is _____.
- (i) Logtak lake
 - (ii) Yercaud lake
 - (iii) Ooty lake
- (10) Scientific name of Black molly is _____.
- (i) *Poecilia latipinna*
 - (ii) *Poecilia reticulata*
 - (iii) *Poecilia sp.*
- (11) Rural marketing is the example of _____.
- (i) Regular market
 - (ii) Terminal market
 - (iii) Weekly market
- (12) It is difficult to identify the sex in _____.
- (i) *Pterophyllum scalare*
 - (ii) *Xiphophorus helleri*
 - (iii) *Betta splendens*

2. Give the answer in one sentence each of the following : (Any Ten)

- (1) What is Ovipositor ?
- (2) Mention any two example of aquarium tools.
- (3) Define Fisheries Marketing.
- (4) What is Demand ?
- (5) Total length of Ganga River.
- (6) Give the order of fixing the glass pieces in the aluminium angle.
- (7) What is Equilibrium Price ?
- (8) On which river reservoir Nathsagar is constructed ? ✓
- (9) Give the importance of Standerdisation.
- (10) Give any two examples of bubble nest builder fishes.
- (11) Who takes part for first time in cooperative movement in India ?
- (12) Give the use of Siphon Tube. <https://www.maharashtrastudy.com>

3. Give appropriate reasons : (Any Five)

- (a) Breeding trap is used in breeding of Guppy.
- (b) While forming the reservoirs submerged obstruction should be removed.
- (c) Air is free good.
- (d) Middle men should be eliminated.
- (e) Aquarium is kept away from the window.
- (f) Single individual of male betta is kept in a aquarium tank.
- (g) Diffuser is connected to the aerator.

4. Write shorts notes on following : (Any Five)

- (a) Aquarium Cement
- (b) Puberty Spot
- (c) Grading
- (d) Difference between Standerdization and Grading
- (e) Classification of lake on the basis of thermal characteristic
- (f) Glazing
- (g) Define Oviparous and Viviparous with example

5. Describe the development of reservoir fisheries with reference to :

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- (a) Pre-impoundment Survey
- (b) Rehabilitation of fisherman communities near the dam.
- (c) Stocking of reservoir with fish seed.
- (d) Organization of fisherman Co-operative Societies
- (e) Experimental fishing.

6. Give an account of "Maintenance of Aquarium".

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OR

6. Describe "Market Survey" in detail.

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7. Describe in detail "Features of Utility".

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OR

7. Describe "Breeding of Guppy Fish".

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