DAY - 19 SEAT NUMBER | | | | | | |

2025	III	06	1100	V – 84	(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** questions 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 the sentence : **(Any Ten)** **10**

(1) Exchange value of goods or services in terms of money is called _____.
- (i) Price
- (ii) Value
- (iii) Cost

(2) Machines and tools are the _____ goods.
- (i) Material
- (ii) Immaterial
- (iii) Producer's

(3) The river _____ is the main tributary of Krishna River.
- (i) Tungbhadra
- (ii) Mangiri
- (iii) Kosi

(4) The aquatic vegetation _____ the growth of fishes.
- (i) increase
- (ii) decrease
- (iii) moderate

https://www.maharashtrastudy.com

(5) On the presence of gonopodium sex determination is easy in _____.

(i) Oviparous

(ii) Ova-viviparous

(iii) Viviparous

(6) Producer → _____ → Retailer → Customer.

(i) Middle man

(ii) Processer

(iii) Co-operative Society

(7) Use of economic goods for satisfying human wants is called _____.

(i) utilization

(ii) consumption

(iii) exploitation

(8) _____ is abundance in upper stretches of river Yamuna and Ganga.

(i) Labeo calbasu

(ii) Catla catla

(iii) Wallago attu

(9) Xiphophorus helleri is scientific name of _____.

(i) Sword Tail

(ii) Angel

(iii) Fighting Fish

(10) Insurance _____ the market risk.

(i) eliminate

(ii) increase

(iii) minimise

(11) Aquarium is kept away from the window to avoid _____.

(i) direct air

(ii) direct rain

(iii) direct sunlight

(12) _____ is the example of primary market.

(i) Terminal Market

(ii) Mandies

(iii) Weekly Bazar

https://www.maharashtrastudy.com

2. Give the answer in one sentence : **(Any Ten)** **10**

(1) Define : 'Puberty Spot'

(2) Popular size of Aquarium.

(3) Role of Middleman.

(4) Origin of Kirshna River.

(5) Principle of aquarium fabrication

(6) Define : Equilibrium Point

(7) Purpose of Reservoir.

(8) Scientific name of Angel Fish.

(9) Define : 'Fishery Economics'

(10) Give the name of reservoir situated at Paithan.

(11) Purpose of Modern Marketing.

(12) Use of Hack Saw Blade.

3. Give appropriate reasons : **(Any Five)** **10**

(a) Shape of the aquarium is generally rectangular.

(b) Marketing through co-operative society is essential for fisherman.

(c) When supply increase, price decreases.

(d) Aquarium is covered with lid. https://www.maharashtrastudy.com

(e) Fish conservation is necessity step in fishery.

(f) Middleman should be neglected.

(g) Aquarium cement is an elastic.

4. Write shorts notes on following : **(Any Five)** **10**

(a) Unbalanced Aquarium

(b) Working of Middleman

(c) Market Survey

(d) Sexual dimorphism in Betta-splendans.

(e) Bitumen

(f) Reservoir

(g) Lid

https://www.maharashtrastudy.com

5. Describe in detail account on breeding of Guppy Fish with the help of following points : **10**

(a) Sexual dimorphism

(b) Selection of Breeder

(c) Preparation of breeding tank

(d) Breeding habit

(e) Parental care

6. Write an account on preparation and maintenance of aquarium tank. **10**

OR

6. Write an essay in 'East Cost River System'. **10**

7. Describe in detail 'Fisherman Co-operative Society'. **10**

OR

7. Calculate per hectare net income of Traditional and Intensive Method of fish cultivation from the data given below and state which method is economically important : **10**

Sr. No.	Particulars	Traditional Method	Intensive Method
1.	Water spread area of pond	9 hector	4 hector
2.	Lease of pond for a year	Rs. 2,700	Rs. 1200
3.	Period of fish cultivation	1 year	1 year
4.	Pond preperation	–	Rs. 3500
5.	Stocking rate of fingerlings	4,000/hector fingerling	4,000/hector fignerling
6.	Rate of cost of fingerlings	Rs. 225/1,000 fingerlings	Rs. 225/1,000 fingerling
7.	Watchman for a year	Rs. 1,375 month	Rs. 1,375 month
8.	Cost of fertilizer	–	Rs. 8,500
9.	Cost of artificial food	–	Rs. 7,500
10.	Total fish harvested	4 tons	9 tons
11.	Cost of fish harvesting	Rs. 1,600	Rs. 3,600
12.	Transportation Charges	Rs. 2,100	Rs. 4,500
13.	Loan from Bank	Rs. 27,000	Rs. 51,000
14.	Interest Rate on Bank Loan	14% per anum.	14% per anum.
15.	Selling price of fish	Rs. 150 per kg.	Rs. 150 per kg.

https://www.maharashtrastudy.com