

**TELANGANA UNIVERSITY**  
**S.S.R. DEGREE & PG COLLEGE, NIZAMABAD**  
**DEPARTMENT OF ZOOLOGY**  
**SUB:- FISHERIES, SEM-III, PAPER-III**  
**INTERNAL-II QUESTION BANK**

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**I. Multiple Choice Questions**

1. Which organism is cultured in aquaculture?

- Birds
- Fish
- Insects
- Reptiles

Answer: Fish

2. Composite culture includes species with different

- Sizes
- Food habits
- Colors
- Shapes

Answer: Food habits

3. Which is a plankton feeder?

- Catla
- Rohu
- Mrigal
- Common carp

Answer: Catla

4. Extensive culture depends mainly on

- Artificial feed
- Natural food
- Hormones
- Fertilizers

Answer: Natural food

5. Which is a non-mechanized craft?

- Trawler
- Purse seiner
- Catamaran
- Motor boat

Answer: Catamaran

6. Fishing nets are classified under

- Craft
- Gear
- Biotech
- Culture

Answer: Gear

7. Echo sounder helps in detecting

- Weather

- Fish shoals
- Depth
- Speed

Answer: Fish shoals

8. Trawling is mainly used in

- Rivers
- Ponds
- Deep sea
- Canals

Answer: Deep sea

9. Biotechnology uses

- Chemistry
- Physics
- Biology
- Geography

Answer: Biology

10. Cryopreservation uses

- Heat
- Cold
- Light
- Pressure

Answer: Cold

11. Fish hormones are used for

- Growth
- Induced breeding
- Color
- Taste

Answer: Induced breeding

12. PCR is related to

- Genetics
- Feeding
- Fishing
- Craft

Answer: Genetics

13. Which is a culture system?

- Hatchery
- Net
- Boat
- Hook

Answer: Hatchery

14. Mechanized crafts use

- Oars
- Sails
- Engines
- Hands

Answer: Engines

15. Biotechnology improves disease

- Spread
- Resistance
- Mortality
- Loss

Answer: Resistance

16. Spawn develops into

- Fry
- Fingerling
- Adult
- Egg

Answer: Fry

17. Which is a fishing gear?

- Boat
- Net
- Engine
- GPS

Answer: Net

18. Biofertilizers enhance

- Water
- Soil
- Productivity
- Depth

Answer: Productivity

19. Genetic modification changes

- Environment
- DNA
- Water
- Feed

Answer: DNA

20. Fish vaccines are given to prevent

- Growth
- Disease
- Breeding
- Migration

Answer: Disease

## II. Fill in the Blanks

1. Aquaculture refers to the farming of \_\_\_\_ organisms. (Ans: aquatic)
2. The scientific study of fish is called \_\_\_\_\_. (Ans: ichthyology)
3. Hatchery systems are mainly used for \_\_\_\_\_ production. (Ans: seed)
4. Plankton includes phytoplankton and \_\_\_\_\_. (Ans: zooplankton)
5. Monoculture involves culturing a \_\_\_\_\_ species. (Ans: single)
6. Composite fish culture is also known as \_\_\_\_\_ culture. (Ans: polyculture)
7. The ideal pH range for most fish culture is \_\_\_\_\_. (Ans: 6.5–8.5)

8. Zooplankton mainly feed on \_\_\_\_\_. (Ans: phytoplankton)
9. Culture systems can be classified as extensive and \_\_\_\_\_. (Ans: intensive)
10. Fish seed includes spawn, fry and \_\_\_\_\_. (Ans: fingerlings)
11. Fishing crafts are broadly classified as mechanized and \_\_\_\_\_. (Ans: non-mechanized)
12. Trawlers are mainly used for \_\_\_\_\_ fishing. (Ans: deep-sea)
13. Gill nets capture fish by their \_\_\_\_\_. (Ans: gills)
14. GPS is used in fishing to locate \_\_\_\_\_. (Ans: fishing grounds)
15. Fish biotechnology deals with the application of \_\_\_\_\_ in fisheries. (Ans: technology)
16. Cryopreservation is used for storage of \_\_\_\_\_. (Ans: gametes)
17. Genetic engineering helps in improving \_\_\_\_\_ traits. (Ans: desirable)
18. Vaccines in fish culture help in disease \_\_\_\_\_. (Ans: prevention)
19. Biofertilizers increase \_\_\_\_\_ productivity. (Ans: pond)
20. Biotechnology improves fish \_\_\_\_\_ and survival. (Ans: growth)

### III. Short Questions

1. Define aquaculture.

Ans: Aquaculture is the farming of aquatic organisms under controlled conditions.

2. What is composite fish culture?

Ans: It is the culture of compatible fish species with different feeding habits.

3. What is a hatchery?

Ans: A hatchery is a place where fish seeds are produced artificially.

4. Define fishing craft.

Ans: Fishing craft are vehicles used to catch fish.

5. What is mechanized fishing?

Ans: Fishing using engine-powered boats is called mechanized fishing.

6. What is fish biotechnology?

Ans: Application of biotechnology in fish production and improvement.

7. What is cryopreservation?

Ans: Long-term storage of biological material at very low temperature.

8. What is induced breeding?

Ans: Artificial stimulation of fish breeding using hormones.

9. What is GPS used for in fisheries?

Ans: To locate fishing grounds.

10. Mention one application of biotechnology in fisheries.

Ans: Disease control and genetic improvement.