

Pioneers of Aquaculture

Aquaculture History · Practice Test · 25 Questions

1. Which ancient civilization is credited with the earliest recorded practice of fish farming around 3500 BC?

- A) Ancient Egypt
- B) Ancient China
- C) Ancient Greece
- D) Ancient Rome

2. In 1761, who was the first person to successfully document the artificial fertilization of trout eggs?

- A) Stephen Ludwig Jacobi
- B) Louis Pasteur
- C) Carl Linnaeus
- D) Charles Darwin

3. What century saw the first commercial production of salmon in sea cages in Norway, a practice that revolutionized the industry?

- A) 18th century
- B) 19th century
- C) 20th century
- D) 17th century

4. Which invention in the mid-20th century allowed for the aeration of water, making high-density aquaculture possible?

- A) Solar panel
- B) Electric paddlewheel aerator
- C) Submarine pump
- D) Steam turbine

5. The first successful artificial spawning of Atlantic salmon in North America was recorded at which location in 1853?

- A) Newcastle, Ontario
- B) Portland, Maine
- C) Halifax, Nova Scotia
- D) Anchorage, Alaska

6. What is considered the first aquatic species to be domesticated for food by humans?

- A) Common Carp
- B) Atlantic Salmon
- C) Shrimp
- D) Tilapia

7. The first large-scale commercial hatchery for Pacific oysters was established in which country during the 1960s?

- A) Japan
- B) United States
- C) Australia
- D) Chile

8. Who is often referred to as the 'Father of Aquaculture' for writing the world's first book on fish culture, 'The Classic of Fish Culture', in 475 BC?

- A) Fan Li
- B) Confucius
- C) Laozi
- D) Sun Tzu

9. Which development in the 1970s allowed fish farmers to monitor water quality in real-time?

- A) Digital sensors
- B) Mechanical floats
- C) Color-coded litmus paper
- D) Mercury thermometers

10. The first integrated 'rice-fish' farming system, which combines crop and fish production, originated in which country?

- A) China
- B) Vietnam
- C) Thailand
- D) India

11. What specific innovation in the 1980s significantly improved survival rates in shrimp aquaculture?

- A) Pelleted feed
- B) Concrete tanks
- C) Glass ponds
- D) Wooden nets

12. Which scientist is credited with pioneering the use of hormones to induce spawning in fish during the 1930s?

- A) Bernardo Houssay
- B) B.A. Houssay and colleagues
- C) Gregor Mendel
- D) Rachel Carson

13. In which decade was the first successful 'closed-cycle' farming of Bluefin Tuna achieved, preventing reliance on wild-caught juveniles?

- A) 1980s
- B) 1990s
- C) 2000s
- D) 2010s

14. What is the primary function of the invention known as the 'floating cage' which revolutionized salmon farming in the 1960s?

- A) Allowing natural water flow
- B) Keeping birds away
- C) Heating the water
- D) Filtering plastic waste

15. The first commercial production of tilapia outside of its native Africa began in which decade?

- A) 1940s
- B) 1950s
- C) 1960s
- D) 1970s

16. Which organization published the first global 'Code of Conduct for Responsible Fisheries' in 1995?

- A) FAO
- B) WHO
- C) UNESCO
- D) NASA

17. What was the first major species to be farmed commercially in Australia during the 1980s?

- A) Southern Bluefin Tuna
- B) Barramundi
- C) Rainbow Trout
- D) Sydney Rock Oyster

18. The first controlled breeding of catfish in the United States occurred in which state during the 1950s?

- A) Arkansas
- B) Florida
- C) Louisiana
- D) Texas

19. Which material replaced traditional bamboo for constructing fish enclosures in the 20th century?

- A) Nylon netting
- B) Cast iron
- C) Fiberglass
- D) Recycled plastic

20. In what year was the first successful cloning of a fish species (the carp) reported by Chinese scientists?

- A) 1963
- B) 1975
- C) 1988
- D) 1996

21. The 'Recirculating Aquaculture System' (RAS) was first widely adopted in which industry during the 1970s?

- A) Trout farming
- B) Shrimp farming
- C) Kelp farming
- D) Crab farming

22. Which breakthrough in the 1990s allowed for the detection of pathogens in aquaculture ponds?

- A) PCR testing
- B) Microscopy
- C) Visual inspection
- D) Radio signals

23. What was the first fish species to have its full genome sequenced in 2002 to aid aquaculture research?

- A) Fugu (Pufferfish)
- B) Zebrafish
- C) Common Carp
- D) Atlantic Salmon

24. The first offshore cage systems, placed in open ocean environments, were pioneered in which country in the 1990s?

- A) Norway
- B) Japan
- C) New Zealand
- D) Canada

25. Which aquatic plant was the first to be cultivated for large-scale human consumption?

- A) Nori (Seaweed)
- B) Kelp
- C) Water Spinach
- D) Lotus