

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2025
(Sixth Semester)

Branch- ZOOLOGY

MAJOR ELECTIVE COURSE – II: ORNAMENTAL FISH BREEDING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 What is the purpose of a fish tank hood or cover?
(i) To provide a decorative touch
(ii) To prevent fish from jumping out and reduce water evaporation
(iii) To increase oxygen levels
(iv) To assist in feeding fish
- 2 What is the ideal temperature range for most ornamental fish species?
(i) 10–15°C (ii) 20–30°C
(iii) 35–40°C (iv) 40–50°C
- 3 What is a common identifying feature of tetras?
(i) Long barbels (ii) Snake-like body
(iii) Flat and transparent body (iv) Small size and vibrant colors
- 4 What is the primary protein source in artificial fish feed?
(i) Soybean meal (ii) Rice bran
(iii) Corn starch (iv) Vitamin supplements
- 5 What is the primary cause of fungal infections in fish?
(i) Parasites (ii) Viral infections
(iii) Poor water quality (iv) Excessive feeding

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Explain the scope and important of ornamental fish culture.
OR
b Explain the purpose of an aerator in a fish tank, and how does it function.
- 7 a Describe the pH level of ornamental fish culture. Why it is maintaining this range important for their health and growth?
OR
b Explain the best practices for monitoring and maintaining dissolved oxygen levels in ornamental fish culture.
- 8 a Outline the steps involved in setting up a fighter fish culture system.
OR
b Summarise the economic and market trends of goldfish culture.

Cont...

- 9 a Outline the Mass Culture of livefeed zooplankton for ornamental fish.
OR
b Bring out the different types of artificial feeds used in ornamental fish culture.
- 10 a Describe the breeding method of ornamental fish culture.
OR
b Explain the economic importance of ornamental fish.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss the construction method of fish tank.
OR
b Examine the role of light spectrum and intensity in ornamental fish culture.
- 12 a Elucidate the importance of alkalinity in fish culture systems and its role.
OR
b Highlight the role of ornamental plants in fish culture.
- 13 a Analyze the role of livebearers in ornamental fish culture.
OR
b Discover the brood stock management and its importance.
- 14 a Discuss the role of phytoplankton in ornamental fish culture systems.
OR
b Enumerate the nutrition and feeding of ornamental fish culture.
- 15 a Identify the important infectious diseases of ornamental fish.
OR
b Elucidate the packing and transportation of live fish.

Z-Z-Z

END