

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2023  
(Sixth Semester)

Branch – ZOOLOGY

**DISCIPILE SPECIFIC ELECTIVE – II**  
**ORNAMENTAL FISH BREEDING**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

- 1 Name the person who keeps an aquarium.  
(i) Scientist (ii) A quarist  
(iii) Aquaculturist (iv) apiary
- 2 Which one of the following is senses the temperature in fish tank?  
(i) Secchi disc (ii) Heater  
(iii) thermostat (iv) filter
- 3 Choose the chemical which is used to wash an aquarium plant.  
(i) chlorine (ii) Potassium solution  
(iii) sodium (iv) pepper
- 4 Which one of the following is the reason for Water hardness?  
(i) Chloride salts (ii) Ferrous  
(iii) Calcium & magnesium salts (iv) chlorine
- 5 Choose the fish which lays egg in bubble nest.  
(i) Gourami (ii) catla  
(iii) cat fish (iv) rohu fish
- 6 Which one of the following is rich in protein?  
(i) Daphnia (ii) cyclops  
(iii) spirulina (iv) Chironomous larva
- 7 Which one of the following is a live feed?  
(i) Artemia (ii) bacteria  
(iii) virus (iv) bacteriophage
- 8 Name the chemical which is added to stop the fungal growth in artificial fish feed.  
(i) chloroform (ii) chromium  
(iii) sodium benzoate (iv) potash
- 9 Choose the parasite which lives inside the fish.  
(i) Endoparasite (ii) Ectoparasite  
(iii) Saprophyte (iv) commensols
- 10 Choose the parasite which causes the disease Dropsy.  
(i) Virus (ii) Bacteria  
(iii) protozoa (iv) Fungi

Cont...

**SECTION - B (35 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 7 = 35)

- 11 a Outline the requirements for an aquarium.  
OR  
b Explain the uses of filter.
- 12 a Bring out the role of pH in fish tank.  
OR  
b Explain the Ornamental plants.
- 13 a Summarise the characteristics of Gourami fish.  
OR  
b Analyze the habits of Barbs.
- 14 a Discuss the principles behind the feed formulation.  
OR  
b Explain the Mass culture of Tubifex worms.
- 15 a Outline the Causative agent, symptoms and control measures of Epizootic ulcerative syndrome.  
OR  
b Narrate the breeding methods of Angel fish.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Discuss the setting up of an aquarium in your office.
- 17 Explain in detail about the role of dissolved Oxygen in fish tanks.
- 18 Discuss the habitat and breeding habits of Gold fish.
- 19 Discuss in detail about the culture of Artemia.
- 20 Outline the packing and transportation of live fish.

Z-Z-Z

END