

(6 pages)

Reg. No. : .....

Code No. : 10718 E      Sub. Code : JSZO 3 A/  
SSZO 3 A

B.Sc. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2019.

Third Semester

Zoology — Main

Skill Based subject – HOME AQUARIUM

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct Answer

1. The compound used to remove dissolved nutrient and help to clean the aquarium water is
- (a) Activated Carbon    (b) Air stone  
(c) Air pumb              (d) Acrylic

2. The optimum temperature required for aquarium fisher

(a) 5 – 10° C              (b) 10 – 15° C  
(c) 22 – 26° C              (d) 25 – 30° C

3. The process of introducing fish into the water tank is

(a) Acclimate              (b) Acrylic  
(c) Anoxic                  (d) Bioload

4. In aquarium the container usually made up of

(a) Glass                      (b) Plastic  
(c) Wood                      (d) Both (a) and (b)

5. The female guppies releases ——— fry at a time

(a) 50 – 100              (b) 20 – 30  
(c) 5 – 10                  (d) 30 – 50

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6. Spawning means
  - (a) The process of egg laying
  - (b) The process of egg maturation
  - (c) Egg developing
  - (d) Process of fertilization
7. Gold fish belongs to the family
  - (a) Crprinidae                      (b) Poeciliidae
  - (c) Osphronemidae              (d) Scuridae
8. Velvet disease is a
  - (a) Viral disease                  (b) Bacterial disease
  - (c) Fungal disease              (d) Protozoan disease
9. Ricciafluitans is otherwise known as
  - (a) Duck weed
  - (b) Crystlworf
  - (c) Water lettuce
  - (d) Small laced salvinia
10. Starfish belongs to phylum
  - (a) Mollusca                      (b) Porifera
  - (c) Protozoa                      (d) Echinodermata

**PART B — (5 × 5 = 25 marks)**

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain Aerators.  
Or  
(b) Explain Handnet.
12. (a) Write the preparation of dry feed.  
Or  
(b) Give a brief notes on live feed preparation.
13. (a) Explain common community Fishes.  
Or  
(b) Explain Biology of Butterfly fishes.
14. (a) What is Spawning?  
Or  
(b) Explain breeding habits of Gold fish.
15. (a) What are the optimum condition for the growth of Aquarium plants.  
Or  
(b) Explain Fresh water plant uses in Aquarium.





PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Elaborate the Lighting and Aeration in aquarium tank.

Or

- (b) Design and construction of marine aquarium.

17. (a) Give an account of live foods in aquarium fishes.

Or

- (b) Give an account on feeding method.

18. (a) Explain Taxonomy and Biology of Angel Fish.

Or

- (b) Describe any four community fishes.

19. (a) Describe parental care in aquarium Fishes with Examples.

Or

- (b) Explain Bacterial disease in aquarium fishes.

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20. (a) Write an account on Taxonomy and Morphology of Fresh water plant.

Or

- (b) Discuss the Salient Features of the Star fish.

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