

**Avinashilingam Institute for Home Science and higher Education for Women
(Deemed to be University) Coimbatore-641 043
Bachelor's Degree Examination-November 2018
V Semester**

**Class : III UG
Major : Zoology**

**Time:3 Hrs
Max.Marks :100**

15BZOC17-AQUACULTURE

Part-A

10×1=10

Choose the correct answer

1. The fishing net which is used to catch fish is called as
(a) Graft (b) Gear (c) Canoe (d) Catamarans
2. Scoop net is also called as
(a) Trawls (b) Purse -net (c) Dip net (d) Seines
3. Culture ponds are also called
(a) Breeding pond (b) Nursery pond (c) Stocking pond
(d) Rearing pond
4. Endocrine gland used in induced breeding is
(a) Pituitary (b) Thyroid (c) Adrenal (d) Pancreas
5. The size of the fry range from
(a) 1-4 cm (b) 2.5-4cm (c) 10-15 cm (d) 15-20 cm
6. Paddy cum fish culture is a type of
(a) Integrated fish culture (b) Monoculture (c) Poly culture
(d) Brackish water fish culture
7. Gold fish is native of
(a) India (b) Srilanka (c) China (d) Pakistan
8. Zoological name of Angel fish is
(a) Pterophylum scalare (b) Bela splenders (c) Tilapia mossambica
(d) Mystus vittatus
9. Live bearer is
(a) Catla (b) Rogu (c) Mrigal (d) red sword tail
10. Mouth breeder among the following is
(a) Gourami (b) Angel fish (c) Gold fish (d) Koi

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Part-B

5×6=30

Answer the following

Answer should not exceed 400 words or two pages

11. a. Trace the history of aquaculture
(Or)
11. b. Examine the conventional methods of fishing.
12. a. Describe the structure and different types of fish pond.
(Or)
12. b. Write down the objectives for fish culture.
13. a. Write a brief account on hybridization in fishes.
(Or)
13. b. Critically examine the production of transgenic fish.
14. a. Comment on the accessories used in aquarium tank.
(Or)
14. b. Examine the different types of feed for aquarium fishes.
15. a. Describe including, cross breeding and selective breeding.
(Or)
15. b. Explain breeding and spawning of live bearers.

Part-C

5×12=60

Answer the following

Answer should not exceed 800 words or 4 pages

16. a. Describe in detail about passive types of nets.
(Or)
16. b. Write on any four types of active fishing gears.
17. a. Write an essay on freshwater fish culture.
(Or)
17. b. Elucidate the types of cultivable fishes and their importance.
18. a. Discuss the brackish water fish culture in detail.
(Or)
18. b. Give a detailed account on integrated fish farming.
19. a. Describe the setting and fabrication of aquaculture tank.
(Or)
19. b. Explain breeding and spawning of egg layers.
20. a. Write an account on any six ornamental fishes that you have studied.
(Or)
20. b. Explain the present status of aquaculture in India.
