

U.G. 3rd Semester Examination - 2020**ZOOLOGY****Course Code : BZOOSERT304****Course Title : Aquarium Fish Keeping**

Full Marks : 50

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Answer all the questions by choosing correct alternative:

2×25=50

1. When should you add fish to a new aquarium?
a) The same day you set up the tank b) A few days after setting up the tank
c) 3-4 weeks after setting up the tank d) After one week
2. Study of fishes is known as
a) Nematology b) Ornithology c) Ichthyology d) Ostcology
3. Oviparous fish produces-
a) Babies b) Adults c) Eggs d) Young ones
4. Most fish do not sink in water because of the presence of-
a) Air sacs b) Vacuoles c) Swim bladder d) None of these
5. What are the dimensions of a 55 gallon aquarium ($l \times w \times h$)?
a) 48.25×12.75×21 inches b) 08×13.5×21.5 inches
c) 17×20×14 inches d) 15.5×12.25×18.6 inches
6. Benefits of ornamental fish rearing as a hobby-
a) It enables relaxation of the mind and there by contributes to a healthy living.
b) Children get to know more about nature and use their time productivity
c) It creates a self-employment opportunity
d) All of the above
7. How much food should you feed your fish?
a) A tiny sprinkle b) As much as they can eat in a few minutes
c) A handful d) None of these
8. What is the proper temperature for most tropical freshwater fish?
a) 22-29°C b) 25-27°C c) 26-30°C d) 32-37°C
9. What is the best food for ornamental fish culture?
a) Live food b) Frozen food c) Dry food d) Greens
10. Common treatment for fish disease is-
a) Hot water bath b) Formalin bath
c) Methylene-blue bath d) Salt bath
11. How often should you clean and change some of the water in your aquarium?
a) Everyday b) Never
c) Every week or two weeks d) Every month
12. What is the single most important factor for having a successful aquarium?
a) Proper amount of surface area b) Well decorated
c) Temperature regulation d) Partial water change

13. The weight of the gonad relative to the body weight is known as—
 - a) Maturity index
 - b) Coefficient of maturity
 - c) Ponderal index
 - d) Gonadosomatic index
 14. What is the proper pH range for a freshwater aquarium?
 - a) 6.8 - 7.2
 - b) 7.8 - 8.2
 - c) 6.8 - 7.8
 - d) 7.8 - 8.6
 15. What is the appropriate temperature for Siamese fish in aquarium?
 - a) 25 - 35°C
 - b) 15 - 20°C
 - c) 24 - 29°C
 - d) 30 - 35°C
 16. Which of the following aquatic plant is used in aquarium?
 - a) *Pistia stratiotes*
 - b) *Cabomba* sp.
 - c) Both (a) and (b)
 - d) *Nelumbo nucifera*
 17. Food habit of platy is
 - a) Carnivorous
 - b) Herbivorous
 - c) Omnivorous
 - d) Detritivorous
 18. Why red soil is used during transportation?
 - a) It is more easy to carry
 - b) It helps the water to remain unpolluted
 - c) It makes the dead fish bodies to get deposited at the bottom
 - d) All of the above
 19. Which of the following is used as anaesthetic during transportation?
 - a) Chlorhexidine
 - b) Acriflavine
 - c) MS-222
 - d) Proflavine
 20. How can you identify the male sword tail?
 - a) Long dorsal fin
 - b) Long lower lobe of caudal fin
 - c) Long anal fin
 - d) All above
 21. Important factors for body colour of Aquarium fishes is
 - a) Light
 - b) Live feed
 - c) Optimum water quality
 - d) All above
 22. How can you significantly reduce the levels of accumulating phosphates in your tank?
 - a) Rinse off excess organic matter from filter material
 - b) Gravel vacuums the tank
 - c) Water change
 - d) All of the above
 23. How many male Siamese (Fighter fish) can you keep together?
 - a) More than three
 - b) Just one. They fight
 - c) As many as you can! They are lovely
 - d) None of the above
 24. Usually which of the following is used to disinfect the aquarium fishes?
 - a) H_2SO_4
 - b) $KMnO_4$
 - c) $ZnSO_4$
 - d) $NaHCO_3$
 25. What is the stripping method of breeding of an ornamental fish?
 - a) The females and males brooders are injected with fish pituitary hormone and then allow to mate.
 - b) The vent region of the females are gently pressed so the eggs will ooze out and then fertilized by milts of males.
 - c) Two males and one female brooder are selected and released in the breeding tank.
 - d) (a) and (b) both.
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