

11. *Dactylogyrus* is found on the gills and can be distinguished from *Gyrodactylus* by the presence of:
- Three pairs of eyes at the anterior end
 - Two pairs of eyes at the anterior end
 - One pair of eyes at the anterior end
 - Four pair of eyes at the anterior end
12. Edwardsiellosis is caused due to:
- Edwardnii
 - Edwardsiella tarda*
 - Edwardii
 - None of the above
13. Argulosis is a:
- Fish lice infection
 - Fish pest infection
 - Fish
 - None
14. The boundary between two zones exhibiting perfect equilibrium between respiration and photosynthesis is called:
- Compensational level
 - Trophozenic zone
 - Abyssal zone
 - Profoundal zone
15. Organic detritus and mineral particles suspended in waterbodies are called:
- Nektons
 - Neustons
 - Sestons
 - None of the above
16. The sub-littoral zone extending from rooted vegetation to non-circulating coldwater with poor oxygen is also called:
- Epilimnion
 - Hypolimnion
 - Profoundal
 - Abyssal
17. Daphnia is:
- Phytoplankton
 - Zooplankton
 - Macroinvertebrates
 - Nekton
18. Glazing is dipping the frozen fish in water so that:
- Finally a layer of hard ice surrounds the fish
 - Crystal surround the fish
 - Water vapour surround the fish
 - No formation of ice is there
19. Excess salting allows growth of salt tolerant bacteria causing:
- White eye spoilage of fish
 - Pink eye spoilage of fish
 - Both a and b
 - None of the above
20. In cold smoking, first:
- A temperature of 38°C is raised from a smokeless fire
 - A temperature is lowered from smoked fish
 - A temperature is raised and lowered from smoked fish
 - None of the above

(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

- | | |
|---|----------|
| 1. What is fish disease? Discuss some of the fish diseases prevalent in India citing suitable examples. | 2+8=10 |
| 2. What is fish preservation? Discuss some methods of fish preservation citing suitable examples. | 2+8=10 |
| 3. Describe the structure of lac insect. Write a note on important aspects of lac cultivation. | 4+6=10 |
| 4. Write the life cycle and damage done by any one pest of forestry. | 7+3=10 |
| 5. Describe parasite and their types. Describe different mode of infection in parasitic diseases. | 1+3+6=10 |
| 6. What is thermal stratification in lakes? Describe the process in lakes during different seasons. | 10 |
| 7. What is prawn culture? Discuss the prawn fishery resources in India citing suitable examples. | 2+8=10 |
| 8. What is pearl culture? Discuss the process of pearl formation in India citing suitable examples. | 2+8=10 |

= = *** = =