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SUBJECT CODE NO:- B-2250
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. T.Y (Sem-VI) Examination OCT/NOV 2019
Fishery Science Paper-XX
Modern Trends in Fishery Science- II

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

N.B

- 1) Attempt all questions.
- 2) Illustrate your answer with suitable diagram.

- Q.1 What are antibodies? Describe in detail specificity of fish antibodies. 20
 OR
 Describe in detail importance of aquatic microbes in bio-gas chemical transformation. 20
- Q.2 Give a detailed account of factors influencing kind and rate of spoilage. 20
 OR
 Write short notes on (any four) 20
- a) Blood groups to fishes
 - b) Aquatic micro-organisms in Sea
 - c) Microbiology of sewage water
 - d) Use of low temperature
 - e) Bacteria causing spoilage
 - f) Immunoglobulin's of fish
- Q.3 Multiple Choice Questions:- 10
1. To demonstrate antibody-antigen reaction the following method is used
 a) Immuno diffusion b) Electrophoresis c) Spectrometry d) all of the above
 2. An individual serum cell has -----
 a) Two class of Ig b) Three class of Ig
 c) Four class of Ig d) None of the above
 3. In aquatic environment the high concentration of micro. Organism occurs at -----
 a) Surface b) bottom c) both d) none of the above
 4. An anaerobic decomposers occurs in -----
 a) Pelagic zone b) Littoral zone
 c) Limnetic zone d) Benthic zone
 5. The soil bacteria includes -----
 a) Azzotobactor b) Nitrosomonas c) Nitrobacter d) All of the above

6. Ascomycetes is -----
a) Virus b) Bacteria c) fungus d) None of the above
7. ----- is soil bacteria.
a) Coliforms b) Ascomycetes c) Azzotobacter d) None of the above.
8. Growth of phytoplankton depends on -----
a) CO_2 b) H_2O c) Nitrogen and phosphorus d) all of the above
9. ----- convert soluble form of Iron into insoluble form of Iron.
a) Streptococci faecali's b) Thiobacillus
c) Sphaerofilus d) E.Coli
10. Bio-chemical changes in the substrate are brought by -----
a) Virus b) Bacteria c) Algae d) Fungi