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**SUBJECT CODE NO:- B-2189**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y (Sem-II) Examination OCT/NOV 2019**  
**Fishery Science Paper-IV**  
**Fish Ecology and Adoption**

[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 labeled diagram

- Q.1 Explain in detail ecology of ponds 20  
 OR  
 Give an account on ecology of Brackish water.
- Q.2 Explain in detail Migration of fishes. 20  
 OR  
 Write short note(any four)
- a) Pyramid of numbers
  - b) Control of water pollution
  - c) Predator- prey relationship
  - d) Hill stream fishes
  - e) Adaptation of fishes to salinity
  - f) Deep sea fishes
- Q.3 MCQ 10
- 1) The littoral zone is populated by -----  
 a) Plankton b) nekton c) benthos d) all of the above
  - 2) The flesh eating animals are -----  
 a) Arthropoda b) vegetarians c) rodentia d) carnivorons
  - 3) Normal pH range of fresh water is -----  
 a) 7.0 to 7.5 b) 7.5 to 9.5 c) 9.0 to 10.0 d) 4.5 to 6.0
  - 4) The term migration defined by -----  
 a) Myers 1949 b) Hyers 1959 c) Byers 1939 d) Mendel 1864
  - 5) Producers are -----  
 a) Phagotrops b) saprotrophs c) autotrophs d) heterotrophs
  - 6) -----migration is for reproduction  
 a) Osmoregulatory b) climatic c) gametic d) alimental

- 7) -----is applied to control pH.
  - a) Lime b) ammonia c) common salt d) acid
  
- 8) -----hill stream fish generally possess a long, narrow , band shaped candal peduncle
  - a) Glyptothorax b) labeo c) catta d) cyprinus
  
- 9) The photosynthetic and chemosynthetic activities the -----
  - a) Radiant energy b) wind energy c) electric energy d) hydro energy
  
- 10)-----is a floating plant
  - a) Pistia b) sun flower c) hibiscus d) Typha