M.Sc.-II (Zoology) (CBCS Pattern) Semester - IV

PSCZOOT15.7 - Paper-XV - Special Group : Aquaculture-IV (Fish Pathology and Fish Genetics)

P. Pages: 1 GUG/S/23/11445 Time: Three Hours Max. Marks: 80 Notes: 1. All questions are compulsory. All questions carry equal marks. 2. 3. Illustrate your answers with well labelled diagram wherever necessary. 1. Give an account of Nutritional value of raw and preserved fish. 16 OR Write notes on: Biochemical composition of raw fish. Methods of fish preservation. b) 2. Write an essay on fish products and by products. 16 OR Write notes on: Toxicity and allergies from fish as food. Effect of water pollution on fishes. b) **3.** Discuss in details on diseases caused by aquatic pollutants. 16 OR Write notes on: Crustacean diseases of farm fish Nutritional diseases of fish b) 4. Give an account on Gene banking and application of genetic engineering in aquaculture. 16 OR Write notes on: Cryopreservation of gametes. a) Transgenic fish b) 5. Attempt the following. 16 Principles of fish preservation. b) Rigor mortis. Protozoan diseases of farm fish. c) Fish genetic resources. d)
