

M.Sc. SEMESTER IV

Applied Freshwater Aquaculture

COURSE – 18 Fish Breeding & Production Technology

Credits –3

Paper code: MZO611 (B) Total Marks: 50 (Assignment 10 + Theory Exam 40)

BLOCK – I: Fish Breeding and Seed Production

Unit –1 : Fish Breeding and Fish Genetics

Unit –2 : Endocrinology of Reproduction & Breeding of Common Carp

Unit –3 : Fish seed production Technology

BLOCK – II: Freshwater Aquaculture Production Technology

Unit –4 : Extensive, semi intensive and intensive Cultures of Carp

Unit –5 : Freshwater prawn culture (*Macrobrachium rosenbergii*)

Unit –6 : Culture of pearl

Unit –7 : Culture of Natural Foods – Daphnia, Artemia, Zoo plankton and Phytoplankton

Unit –8 : Aquaculture farm design, construction

BLOCK – III: Production system management

Unit–9: Freshwater fish farm and management

Unit –10: Water and soil quality management

Unit –11: Fish Feed and feeding strategies