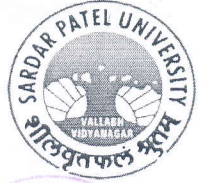


A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE (AUTONOMOUS)
(Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Master of Science (Semester 1) External Examination - 2025

COURSE CODE: PS01MAZOO02

AQUACULTURE AND FISHERIES TECHNIQUES



Date: 12/11/2025

Time: 11:00 AM to 01:30 PM

Total marks :50

Q-1 MULTIPLE CHOICE QUESTIONS: [ANSWER APPROPRIATE OPTIONS] [10]

1. IN INDIA, BLUE REVOLUTION IS RELATED TO _____.
A] AQUACULTURE B] FISH C] DAIRY D] INDUSTRY
2. WHICH TYPES OF SCALES ARE PRESENT IN TELEOST FISHES?
A] PLACOID B] GANOID C] CYCLOID & CTENOID D] NONE
3. WHICH TYPE OF SOIL IS MOST SUITABLE FOR POND CONSTRUCTION RELATING TO AQUACULTURE
A] CLAY SOIL B] ROCKY SOIL C] SANDY SOIL D] SALINE SOIL
4. WHICH SHRIMP IS KNOWN AS "TIGER PRAWN"
A] P. MONODON B] M. DOBSONI C] M. ROSENBERGII D] NONE
5. _____ IS THE TYPE OF MIGRATION IN FISHES WHERE FISH LIVE AND FEED IN THE SEA BUT MIGRATE TO FRESHWATER RIVERS TO SPAWN
A] ANADROMOUS B] CATADROMOUS C] OCEANODROMOUS D] OSMOREGULATIVE
6. WHICH FISH AMONG THE FOLLOWING IS A SURFACE FEEDER
A] ROHU B] CATLA C] MRIGAL D] TILAPIA
7. WHICH AMONG THE FOLLOWING ORGANISM WILL LEAD TO HARMFUL ALGAL BLOOM?
A] SPIROGYRA B] COPEPOD C] BRINE SHRIMP D] CYCLOPS
8. WHICH FISH DISEASE IS CAUSED BY A FUNGAL INFECTION?
A] FIN ROT B] DROPSY C] SAPROLEGNIASIS D] ICH DISEASE
9. WHICH OF THE FOLLOWING HORMONE IS USED IN INDUCED BREEDING IN FISHES?
A] OVATIDE B] PROGESTERONE C] INSULIN D] EPINEPHRINE
10. _____ IS THE BY-PRODUCT OBTAINED FROM FISH LIVER?
A] FISH MEAL B] FISH OIL C] FISH SILAGE D] FISH SAUCE

Q-2 DISCUSS IN DETAIL (WITH DIAGRAM) MORPHOMETRIC CHARACTERISTIC OF FISH? [10]

OR

Q-2 WRITE A DETAILED NOTE ON ECOLOGY OF FRESH WATER BODIES, ALONG WITH ITS CLASSIFICATION [10]

Q-3 WRITE A NOTE ON DIFFERENT CRAFTS AND GEARS USED IN FISH CULTURE [10]

OR

Q-3 WRITE A DETAILED NOTE ON INDIAN MAJOR CARPS. [10]

Q-4 WHAT IS INDUCED BREEDING IN FISH CULTURE? DESCRIBE THE PROCESS IN DETAIL [10]

OR

Q-4 LIST OUT COMMON PLANKTONS FOUND IN FRESHWATER BODIES. DISCUSS THEIR TYPES AND SIGNIFICANCE [10]

Q-5 DESCRIBE DIFFERENT TYPE OF DISEASES (ANY FIVE) SEEN IN FISHES ALONG WITH THEIR CAUSATIVE AGENTS [10]

OR

Q-5 WRITE A SHORT NOTE ON JELLYFISH GREEN FLUORESCENT PROTEIN AND ITS APPLICATION [10]