

**I B.Sc., Zoology Practical Model Question Paper - II Semester**

**ANIMAL DIVERSITY - CHORDATES**

Time : 3 Hrs.

Max. Marks : 50

1. Labeled diagram of virtual dissection of V, VII or IX and X cranial nerves of scoliodon. (OR) Digestive system of a Fish.  $1 \times 8 = 8 \text{ M}$
2. Identify, draw and write notes on given spotters.  $5 \times 4 = 20 \text{ M}$ 
  - a. Amphioxus T.S. through pharynx
  - b. Petromyzon
  - c. Hyla
  - d. Draco
  - e. Loris
3. Identify, draw and write notes on given spotters.  $3 \times 4 = 12 \text{ M}$ 
  - i. Pectoral Girdle of varanus
  - ii. Pelvic Girdle of Rabbit
  - iii. Fore limb of Pigeon
4. Record and Viva  $7 + 3 = 10 \text{ M}$

## II B.Sc., Zoology Practical Model Question Paper - IV Semester

### Embryology, Physiology and Ecology

Time : 3 Hrs.

Max. Marks : 50

1. Estimate the amount of carbohydrates in the given sample and write the procedure adopted 8 + 2 = 10 M
2. Estimate the amount of oxygen in the given water sample and write procedure adopted. 8 + 2 = 10 M
3. Identify draw & comment on the given spotters. 5 x 4 = 20 M
  - a. T.S.of testes of mammal
  - b. 2 or 4 or 8 cell cleavage stage
  - c. Chick embryo of 18 hrs. or 24 hrs.
  - d. T.S. of Kidney
  - e. T.S. of Bone
4. Record and Viva 7 + 3 = 10M

### III B.Sc., Zoology Practical Model Question Paper - VI Semester

#### Principles of Aqua Culture

Time : 3 Hrs.

Max. Marks : 50

1. Estimate the amount of ..... in the given water sample and write the procedure adopted (O<sub>2</sub> or CO<sub>2</sub>, pH total alkalinity) 12 + 3 = 15 M
2. Identify, draw and write notes on given spotters. 5 x 3 = 15 M
  - a. Catla Catla
  - b. Chanos Chanos
  - c. Penaeus Monodon
  - d. Pearl Oyster
  - e. Aquarium Fish
3. Identify, draw and write notes on given spotters. 4 x 2 ½ = 10 M
  - i. Fish disease
  - ii. Shrimp disease
  - iii. Aquatic weed
  - iv. Zooplankton
4. Record and Viva 7 + 3 = 10M

**III B.Sc., Zoology Practical Model Question Paper - VI Semester**

**Aquaculture Management**

Time : 3 Hrs.

Max. Marks : 50

1. Gut Content analysis of given fish draw diagrams.  $10 + 5 = 15$  M
2. Write the procedure for preparation of Fish Feed.  $1 \times 10 = 10$  M
3. Write any Five Fish or Prawn byproducts and their economic importance.  $5 \times 3 = 15$  M
4. Record and Viva  $7 + 3 = 10$  M

**III B.Sc., Zoology Practical Model Question Paper - VI Semester**

**Post Harvest Technology**

**Submission of Project Work by the Student given 50 Marks**

**III B.Sc., Zoology Practical Model Question Paper - VI Semester**

**IMMUNOLOGY**

Time : 3 Hrs.

Max. Marks : 50

1. Write the procedure adopted for blood group identification and draw the labeled diagrams.  $15 + 5 = 20$  M
2. Write the procedure of Elisa or Immuno electrophoresis .  $1 \times 10 = 10$  M
3. Identify, draw and comment on given spotters.  $2 \times 5 = 10$  M
  - a. T.S. of Spleen
  - b. T.S. of thymus gland
4. Record and Viva  $7 + 3 = 10$  M