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**SUBJECT CODE NO:- B-2050**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y. (Sem-I) Examination Sep/Oct 2019**  
**Fishery Science Paper-II**  
**Anatomy and Physiology**

[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 Appendicular skeleton? 20
- OR
- Describe the male Reproductive system of Labeo fish? 20
- Q.2 Give an account of structure & function of kidney? 20
- OR
- Write short notes (any four) 20
- 1) Accessory respiratory organ
  - 2) Heart of fish
  - 3) Pituitary gland
  - 4) Structure of Brain
  - 5) Maturation & spawning
  - 6) Physiology of digestion
- Q.3 Multiple choice questions 10
- 1) In fishes the kidney is -----
 

a) Holonephros	b) Mesonephros
c) Pronephros	d) Metanephros
  - 2) In fishes the cranial nerve are -----
 

a) 12 pairs	b) 06 pairs
c) 10 pairs	d) 08 pairs
  - 3) Lateral line system is well developed in -----
 

a) Larve of fishes	b) Labeo
c) Scoliodon	d) All of above
  - 4) In fishes the axial skeleton is made up of -----
 

a) Cartilage	b) Bones only
c) Bones & cartilage	d) None

- 5) Which is a hydrostatic organ of fish -----
  - a) Internal ear
  - b) Diosaccus
  - c) Air bladder
  - d) Utriculus
  
- 6) Fishes having sensory barbules around the mouth are called -----
  - a) Cat fishes
  - b) Dog-fishes
  - c) Rat-fishes
  - d) Porcupine
  
- 7) How many pairs of gill-slite are present in fish -----
  - a) 5-6 pairs
  - b) 2-3 pairs
  - c) 3-4 pairs
  - d) 5-7 pairs
  
- 8) Bile juice is produced in the -----
  - a) Gall bladder
  - b) Liver
  - c) Pancreas
  - d) Spleen
  
- 9) Which term include the other three
  - a) Digestion
  - b) Circulation
  - c) Respiration
  - d) Metabolism
  
- 10) Which of the following is a sense organ -----
  - a) Olfactory organ
  - b) Liver
  - c) Kidney
  - d) Heart