

M. Sc.(Zoology) Third Semester (Old)
MSC11-2-ZOO-11- Special Group- Fish & Fisheries-I: General Studies
Paper-XI

P. Pages : 1

Time : Three Hours



GUG/W/18/2319

Max. Marks : 80

1. Give a note on origin and evolution of fishes Add fossil. Record and classification. **16**

OR

- a) Development of Jaw fishes.
- b) Classification and General character of Acanthodii.

2. Give an Account on General character and classification Holocephali. **16**

OR

- a) Affinities and specialized character of Ray finned fishes.
- b) Affinities and specialized character of Elasmobranchs.

3. Give a detailed on General character, origin and distribution of Dipnoi. **16**

OR

- a) Gaseous exchange in Teleost.
- b) Gill histology of gillsin fishes.

4. Give a note on Accessory Respiratory organs in fishes. **16**

OR

- a) Blood supply and function of Air bladder.
- b) Mechanism and function of Air breathing fishes.

5. Explain the following. **16**

- a) Limbs in fishes.
- b) Acipenseriformes.
- c) Mode of Respiration in fishes.
- d) Types of Air bladder.
