

M.Sc.(Zoology) CBCS Pattern Semester-III
PSCZOOT10-2 - Paper-X Special Group - Fish & Fisheries Paper-I :
General Studies

P. Pages : 1

Time : Three Hours



GUG/W/23/11308

Max. Marks : 80

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- Notes : 1. All questions are compulsory.
2. All questions carry equal marks.
3. Draw well labelled diagram are necessary.

1. Describe in details development of limbs in fishes. **16**

OR

- a) Write note on Fossil record and classification of Fishes.
b) Classification and general characters of Placoderms.

2. Give a detail account of affinities and characters of Elasmobranchs. **16**

OR

- a) Write general characters of Holocephali.
b) Write a note on Affinities of Actinopterygians.

3. Describe details on origin, fossil Dipnoians and distribution of Dipnoians. **16**

OR

- a) Describe gaseous exchange in teleost.
b) Describe on structure of gills in fishes.

4. Describe details on Accessary respiratory organs of fishes. **16**

OR

- a) Describe types of air bladder.
b) Give the details on Blood supply to air bladder and functions of air bladder.

5. Write short notes on the following. **16**

- a) Affinities of placoderms.
b) General characters of Actinopterygii,
c) Affinities of dipnoi
d) Physostomous.
