

2022

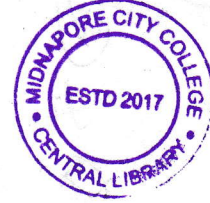
B.F.Sc. 1st Semester Examination

Taxonomy of Finfish

PAPER — BFSC-106

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

1. Answer **any ten** from the following questions :
2×10=20

(a) Give the full form of ICZN and ZSI.

(b) Mention any two aims of taxonomy.

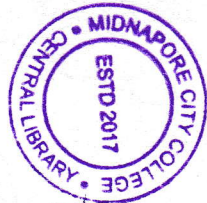
(c) Differentiate between taxonomy and systematics.

(d) What is vernacular name? Give an example.

(e) What is homonym? Give example.

/173

(Turn Over)



(2)

- Mention any two criteria for rejection of scientific name.
- What are Taxon and Phenon?
- Write the significance of scientific name.
- Define tautonym with suitable example.
- Mention the salient features of Elasmobranchii.
- What do you mean by total length and fork length?
- What is meant by the fin formula-DIII, 7 and All, 5?
- How will you measure the length of caudal peduncle?
- What do you mean by micro taxonomy and macro taxonomy?
- Mention the salient features of Order Cypriniformes.

2. Answer any six from the following questions :
5×6=30

- Give a brief account of molecular taxonomy. 5
- Define classification. Mention the advantages and disadvantages of artificial classification. 2+3=5

/173

(Continued)

(3)

- Write a short note on Law of Priority. Mention the cause for the use of parenthesis in a scientific name according to ICZN. 3.5+1.5=5
- Write a short note on DNA Barcoding. 5
- Mention different types of mouth found in fishes with examples. 5
- Mention any two orders of commercially important marine fish. Give their salient features with examples. 5
- Mention the diagnostic feature of any one saw fish and a skate. 5
- Differentiate between Elasmobranchii and Holocephali. Differentiate between Crossopterygii and Actinopterygii. 3+2=5
- Mention the role of systematics in applied biology. 5
- What is karyotaxonomy? Write a short note on gel electrophoresis. 2+3=5



B.F.Sc./1st Sem/BFSC-106/23

BL23/173-90