

2022

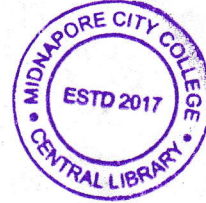
**B.F.Sc. 1st Semester Examination**

**Taxonomy of Shell Fishes**

PAPER — BFSC-108

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)~~ Write down two important characters of decapods with examples.

~~(b)~~ What do you mean by appendix interna?

(c) What is maxillulae? State its function.

~~(d)~~ Give two examples of palaemonid prawns.

(2)

- (e) Define byssus. 5  
 Give examples of two commercially important edible oysters in India. 5
- (g) What are the biramous appendages in prawns? Give an example. 5  
 What are the cephalic appendages in prawns? 5
- (f) What is rostrum? Mention its functions. 5  
 What is the desirable range of temperature and free CO<sub>2</sub> in ideal fish culture pond? 5  
 Write down the names of two commercially important species of crabs. 5
- (l) Write two characters of the phylum Mollusca with examples. 5  
 What are the major characteristics of class Bivalvia? 5
- (n) What is gonopore? 5  
 What are the main respiratory organs in prawn? 5

2. Answer any six from the following questions :

5×6=30

- (a) Write down the anatomical structure of a typical gastropods with examples. 5
- (b) Write down the name of the species under Palinuridae with its identifying characters. 5

/175

(Continued)

(3)

- (c) Write the major characters of phylum Arthropod with examples. 5
- (d) Write down the hierarchical taxonomic structure of Scylla serrata. 5  
 Write down the structure of a mantle and shell of a typical bivalve molluscs. 5
- (f) State the difference between prawns and shrimps with examples. 5  
 What is ink gland? Mention its function. 5
- (n) Write a note on movement of freshwater prawn. 5
- (i) Write the names of two important lobsters in Indian water with their important characters. 5
- (j) Write the important characters of the family Sepiidae with examples. 5

★ ★ ★