

B. N. Bandedkar College of Science, Thane
BNBUSZO501/02/2022

Time: 3 Hrs.

Marks: 100

Please check whether you have got the right question paper.

- N.B:**
- 1. All questions are compulsory and carry equal marks.**
 - 2. Figures to the right indicate full marks.**
 - 3. Draw neat and labelled diagrams wherever necessary.**
 - 4. Answer the questions in proper order.**

- Q. 1 Describe Any Two of the following: (20)**
- a) Linnaean hierarchy and binomial nomenclature
 - b) Symmetry in levels of organization
 - c) Classification of Sarcomastigophora

- Q. 2 Explain Any Two of the following: (20)**
- a) Canal systems in phylum Porifera
 - b) Classification of phylum Cnidaria with distinguishing features of each class
 - c) Classification of phylum Platyhelminthes with distinguishing features of each class

- Q. 3 Classify in detail on Any Two of the following: (20)**
- a) Sub-phylum Crustacea with distinguishing features of each class.
 - b) Phylum Chaetognatha with distinguishing features of each class.
 - c) Phylum Echinodermata with distinguishing features of each class.

- Q. 4 Describe Any Two of the following: (20)**
- a) Habit and habitat of Sepia
 - b) Digestive system of Sepia
 - c) Female reproductive system and copulation in Sepia

- Q. 5 Write short notes on: (Any Four) (20)**
- a) Metamerism in levels of organization
 - b) *Trypanosoma*
 - c) *Aurelia*
 - d) *Ascaris*
 - e) Coelom formation in levels of organization
 - f) General characters and classification of Sepia
