

# ZOOLOGY - I

B.Sc I

2017-18

Time: 3 Hours

Max. Marks:70

**Instructions:** (1) Attempt FIVE questions. (2) All questions carry equal marks. (3) Illustrate your answers with neat & labelled diagram.

- Q1. Define Pathogen. Describe the human disease in detail caused by Protozoa with examples.
- Q2. Describe in detail Polymorphism in Cnidaria.
- Q3. Describe morphological and physiological adaptation in platyhalminthes.
- Q4. Discuss the diagnostic characters of Ctenophora with examples.
- Q5. Describe in detail the different types of Shells in classes of Mollusca.
- Q6. Describe in detail the canal system of Porifera.
- Q7. Write in detail an essay on Harmful insects.
- Q8. Write short notes on any TWO of the following:
- (i) Water Vascular System of Asterias
  - (ii) Coelomic condition in classes of Annelida
  - (iii) Pearl formation
- Q9. Define the following with examples.
- (i) Spicules in Sponge
  - (ii) Chewing & Lapping type of mouth parts of insects
  - (iii) Gemmules
  - (iv) Trematoda and Cestoda
  - (v) Torsion in Gastropoda
  - (vi) Holozoic nutrition in Protozoa
  - (vii) Coral