

B.Sc. Semester - 5 (CBCS) Examination**Oct/Nov - 2024 (NEW COURSE)****Functional Anatomy of Non chordates and Systematic(Core)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Give the classification of Phylum Protozoa.
 2. Give the classification of Phylum Echinodermata.
- Que.1(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Give the classification of Phylum Porifera.
 2. Give the classification of Phylum Annelida.
- Que.1(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. List out the locomotory organs found in Phylum Protozoa.
 2. Phenomenon of Polymorphism is the peculiarity of Phylum
 3. Flatworms Excretion is performed by
 4. All first coelomatic animals belongs to Phylum
 5. found as locomotory organs in Phylum Echinodermata.
- Que.2(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe male reproductive system of Scorpion.
 2. Describe digestive system of Pila.
- Que.2(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a note on Appendages of Scorpion.
 2. Write a note on Osphradium in Pila.
- Que.2(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. List out the excretory organs found in Scorpion.
 2. Respiratory organ of Scorpion is
 3. In scorpion exploring of ground and recognition of sex is done by
 4. In Pila, Statocyst is a organ of
 5. Pila belongs to class
- Que.3(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe the life cycle of Plasmodium Vivex.
 2. Give a general account of Polymorphism in Coelentrata.
- Que.3(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a note on different type of spicules found in Poriera.
 2. Write a note on asexual reproduction in Protozoa.
- Que.3(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. disease caused by Tse-tse Fly.
 2. When Phytoflagellates Synthesize their food by photosynthesis, means self-feeding this type of nutrition is called as
 3. In Porifera, mode of asexual reproduction by internal buds is called
 4. Give the names of larval forms of Porifera.
 5. List out the kinds of Coral Reefs.

- Que.4(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe life cycle of *Fasciola Hepatica*.
 2. Describe Metamorphosis in Insects.
- Que.4(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Describe Loa Loa as Parasitic Nematode.
 2. Types of regeneration in Annelida.
- Que.4(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. The disease caused by *Trichinella spiralis* is known as
 2. Asexual reproduction is found in class of Annelida.
 3. In Annelids, the oldest segments are at the end.
 4. Most simple and commonest type of crustacean larva is
 5. Which hormone controls the process of metamorphosis in Insects?
- Que.5(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe water vascular system in class Asteroidea.
 2. Describe different type of foot found in Mollusca.
- Que.5(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a note on process of Pearl Formation.
 2. Write a note on Tornaria Larva.
- Que.5(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. The best quality of Pearl is known as
 2. Phenomenon of Torsion and Detorsion is found in phylum
 3. Larva of class Ophiuroidea is known as
 4. In water vascular system of Echinoderms stone canal opens in to
 5. Larva of Balanoglossus is known as
