

B.Sc. Semester - 5 (CBCS) Examination**Oct/Nov.- 2024 (Old Course)****FUNCTIONAL ANATOMY OF NON-CHORDATES (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 Up to Class.
 2. Give the classification of Phylum Echinodermata Up to Class.
- Que.1(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Give the classification of Phylum Coelenterata Up to Class.
 2. Give the classification of Phylum Annelida up to Class.
- Que.1(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. Contractile Vacuole in protozoans serves the function of
 2. Canal System is the peculiarity of phylum
 3. Phenomenon of Polymorphism shown in phylum
 4. is the largest phylum in World.
 5. Exclusively marine animal belongs to phylum
- Que.2(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe female reproductive system of Scorpion.
 2. Describe digestive system of Sepia.
- Que.2(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a short note on Book lung of Scorpion.
 2. Describe structure of Ink gland in Sepia.
- Que.2(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. Give the body division of Scorpion.
 2. Which type of blood pigment found in Scorpion?
 3. is the respiratory organ of Scorpion.
 4. Sepia belongs to class
 5. Sepia is generally known as
- Que.3(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe Asexual reproduction in Protozoa.
 2. Describe Polymorphism in Coelenterata.
- Que.3(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Describe different types of Spicules in Porifera.
 2. Write a short note on Fringing and Barrier Reef.
- Que.3(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. When phytoflagellates synthesize their food by photosynthesis, means self-feeding this type of nutrition is called as
 2. Malaria is caused by
 3. How many nucleus found in Paramecium?
 4. List out the names of larval forms of Porifera.
 5. Most notable example of Barrier Reef is.....

- Que.4(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Write a mode of infection and disease caused by Hookworm.
 2. Give a general account of Metamorphosis in Insects.
- Que.4(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a short note on parasitic adaptations found in Fasciola.
 2. Write a short note on Zoaea and Megalopa Larva.
- Que.4(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. The disease Trichinosis is caused by
 2. Ascariasis is caused by
 3. Metamerism found in Phylum
 4. Metamorphosis in insects regulates by
 5. Peripatus is connecting link between phylum and
- Que.5(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)
1. Describe water vascular system in Asteroidea.
 2. Give a general account of foot in Mollusca.
- Que.5(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a note on Ophiopluteus Larva.
 2. Write a note on Tornaria Larva.
- Que.5(C) ANSWERS THE FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)
1. Phenomenon of Torsion and Detorsion is found in Phylum
 2. Larva of class Echinoidea is known as
 3. In the structure of water vascular system stone canal opens in to a
 4. Balanoglossus is commonly known as
 5. is the larva of Balanoglossus.
