

B.Sc. Semester - 5 (CBCS) Examination

Oct/Nov. - 2023(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) Answer the following questions. (any one out of two) (07)
1. Classify Phylum Protozoa up to class with suitable characters and examples.
 2. Classify phylum Arthropod up to class with suitable characters and examples.
- Que.1(B) Answer the following questions. (any one out of two) (04)
1. Classify Phylum porifera up to class with suitable examples.
 2. Classify Phylum Annelida up to class with suitable examples.
- Que.1(C) Answer the following questions. (any three out of five) (03)
1. Canal system is the peculiarity of phylum
 2. List out the class of phylum cnidaria.
 3. Flam cells are as excretory organs in phylum.....
 4. Which types of locomotory organs found in phylum Annelida?
 5. Exclusively marine animals included in phylum
- Que.2(A) Answer 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) Answer the following questions. (any one out of two) (04)
1. Write a short note on book lung in Scorpion.
 2. Write a short note on redula in Pila.
- Que.2(C) Answer the following questions. (any three out of five) (03)
1. Scorpion belong to class
 2. Respiratory organs of Scorpion is
 3. Body division in Scorpion are.....
 4. Mastigatory organ of pila is
 5. Scientific name of Pila
- Que.3(A) Answer the following questions. (any one out of two) (07)
1. Write a short note on Asexual reproduction in protozoa.
 2. Describe polymorphism in Coelenterata.
- Que.3(B) Answer the following questions. (any one out of two) (04)
1. Write a short note on pathogenacity of *Plasmodium vivax*.
 2. Write a short note on Spicules in sponge.
- Que.3(C) Answer the following questions. (any three out of five) (03)
1. Which type of locomotory organs found in phylum protozoa?
 2. The number of Nucleus found in Paramecium.
 3. Black fever is caused by
 4. Larva of sponge is known as
 5. Gastrozoid, gonozoid and dactylozoid are the characteristics of
- Que.4(A) Answer the following questions. (any one out of two) (07)
1. Describe *Ancylostoma duodenale* as parasitic nematod.
 2. Describe different types larval forms of crustacea.

- Que.4(B) Answer the following questions. (any one out of two) (04)
1. Write a short note on parasitic adaptation *Fasciola hepatica*.
 2. Write a short note on metamorphosis in Arthropoda.
- Que.4(C) Answer the following questions. (any three out of five) (03)
1. The common name of *Ascaris* is
 2. disease caused by *Trichinella spiralis*.
 3. In annelides, the oldest segments are at the end.
 4. List out the larval form of Crustacea.
 5. Metamorphosis in insects regulated by
- Que.5(A) Answer the following questions. (any one out of two) (07)
1. Describe Foot in mollusca in detail.
 2. Give a general account of water vascular system of Echinodermata.
- Que.5(B) Answer the following questions. (any one out of two) (04)
1. Write a note on Echinopluteus larva.
 2. Write a note on tornaria larva.
- Que.5(C) Answer the following questions. (any three out of five) (03)
1. The process of Torsion and Detorsion found in class of phylum mollusca.
 2. Ophiopluteus larva belong to class.....
 3. Water vascular system is the characteristic of phylum.....
 4. In water vascular system of Echinoderms Madreporite opens in to
 5. larva is the larva of Balanoglossus.
