



BCF-003-1015017 Seat No. _____

B. Sc. (Sem. V) (CBCS) (W.E.F. 2016) Examination

August – 2021

Z - 501 : Zoology

(Old Course)

Faculty Code : 003

Subject Code : 1015017

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions :** (1) Illustrate your answers with neat and labeled diagrams.
(2) Figures to the right side indicate full marks of question.

1A: Give Answer to the following questions. 04

- 1) Liver fluke belongs----- class?
- 2) Give one example of class Hexactinellida?
- 3) Butterfly belongs to which order?
- 4) Pennatula is commonly known as-----

B: Give Answer in short. 02

- 1) Write a general characters of Protozoa.

C: Give Answer in detail. 03

- 1) Classify Hermit crab up to order.

D: Write a note on. 05

- 1) Classification of Sycon and Red coral.

2A: Give Answer to the following questions. 04

- 1) Water vascular system is seen in-----Phylum.
- 2) Fungia is also known as-----
- 3) Balanoglossus belongs to ----- class.
- 4) Give any one example of class Hirudinea.

B: Give Answer in short.	02
1) Give classification of Auralia.	
C: Give Answer in detail.	03
1) Salient feature and an example of Aschelminthes.	
D: Write a note on.	05
1) Classify phylum Annelida up to class with specific characters.	
3A: Give Answer to the following questions.	04
1) What is the function of Chelicerae in scorpion?	
2) How many pair of eyes are present in scorpion?	
3) Sepia is also known as -----	
4) What is scientific name of sepia?	
B: Give Answer in short.	02
1) Ink gland in sepia.	
C: Give Answer to the following question.	03
1) Draw and Labelled Dorsal view of sepia.	
D: Write a note on.	05
1) Digestive system in scorpion.	
4A: Give Answer to the following questions.	04
1) In scorpion genital operculum is present in -----?	
2) Function of Book lungs in scorpion?	
3) Function of suckers in sepia?	
4) Name the chromophores in sepia?	
B: Give Answer in short.	02
1) Pectine in Scorpion.	
C: Give Answer to the following question.	03
Draw and Labelled Digestive system of Sepia.	
D: Write a note on.	05
1) Nervous system of Scorpion.	
5A: Give Answer to the following questions.	04
1) Kala-azar disease caused by -----	
2) What is the main function of contractile vacuoles in paramecium?	
3) What is Triaxon spicules?	

4) The Lagoon island is also known as -----.	
B: Give Answer in short.	02
1) Describe Fringing reef.	
C: Give Answer in detail.	03
1) Skeleton of sponge.	
D: Write a note on.	05
1) Modification of polyps and importance of Polymorphism.	
6A: Give Answer to the following questions	04
1) Define Holophytic nutrition in protozoa.	
2) Give an example of Barrier reef.	
3) Which stage is infective of plasmodium to man?	
4) What is coral reef.	
B: Give Answer in short.	02
1) Sponge industry.	
C: Give Answer in detail.	03
1) Define hydrozoan, Octocorallian and hexacorallin corals.	
6D: Write a note on.	05
1) Sexual Reproduction in protozoa.	
7A: Give Answer to the following questions.	04
1) What is Metamorphosis?	
2) What is the common name of Ancylostoma?	
3) Give an example of complete metamorphosis.	
4) Which diseases caused by trichinella spiralis.	
B: Give Answer in short.	02
1) Significance of Metamerism.	
C: Give Answer in detail.	03
1) Zoological importance of Peripatus.	
D: Write a note on.	05
1) Nauplius and Alima Larva.	
8A: Give Answer to the following questions.	04
1) Dragonflies is an example of-----.	

- 2) Give an example of Gradual metamorphosis.
- 3) **Liver fluke is also known as-----.**
- 4) Which types of symptoms developed in trichinosis.
- B: Give Answer in short. 02**
- 1) Pathogenic effect of Ascaris.
- D: Write a note on 05**
- 1) Metamerism in Annelida.
- 9A: Give Answer to the following questions. 04**
- 1) Give functions of Polian vesicles in Echinodermata.
- 2) What is torsion?
- 3) Tiedemann's body also known as-----.
- 4) Ophiopluteus larva is characteristic of which class?
- B: Give Answer to the question. 02**
- 1) Draw and labelled Echinopluteus larva.
- C: Give Answer in detail. 03**
- 1) Explain Leaping gastropoda.
- D: Write a note on. 05**
- 1) Affinities of Balanoglossus.
- 10A: Give Answer to the following questions. 04**
- 1) Balanoglossus is also known as -----.
- 2) How many of arms present in Branchiolaria larva?
- 3) Explain Parapodia as primitive foot.
- 4) Auricularia larva belongs to ----- class.
- B: Give Answer to the question. 02**
- 1) Explain Hatchet-shaped foot.
- C: Give Answer in detail. 03**
- 1) Detorsion in Mollusca.
- D: Write a note on. 05**
- 1) Water vascular system of Echinodermata.