

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov - 2023 (OLD COURSE)
ZOOLOGY(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. Give the classification of phylum Protozoa up to class with suitable examples.
 2. Give the classification of phylum Echinodermata up to class with suitable examples.
- Que.1(B) Answer the following questions. (any one out of two) (04)
1. Give the classification of phylum Porifera up to class with suitable examples.
 2. Give the classification of phylum Coelentrata up to class with suitable examples.
- Que.1(C) Give the answer of following questions. (any three out of five) (03)
1. Give any two examples of phylum Protozoa.
 2. The phenomenon of Polymorphism is found in phylum_____.
 3. Flame cells are found as excretory organs in phylum _____.
 4. Which is the largest phylum of the world?
 5. Balanoglossus belongs to phylum_____.
- Que.2(A) Answer the following questions. (any one out of two) (07)
1. Describe Reproductive System of leech.
 2. Describe Ascon and Sycon type of canal system in sponge.
- Que.2(B) Answer the following questions. (any one out of two) (04)
1. Sketch and label: Digestive system in leech.
 2. Write a short note on Siphoning type mouth parts.
- Que.2(C) Give the answer of following questions. (any three out of five) (03)
1. _____ is simplest type of Canal System found in Sponges.
 2. The saliva of Leech has an anti-coagulant is called _____.
 3. The scientific name of Leech is _____.
 4. _____ is the connecting link between phylum Annelida and Arthropoda.
 5. _____ type of mouth parts found in Honey Bee.
- Que.3(A) Answer the following questions. (any one out of two) (07)
1. Describe structure and function of Lysosome.
 2. Describe histological structure and function of Adrenal gland.
- Que.3(B) Answer the following questions. (any one out of two) (04)
1. Describe structure and function of Ribosome.
 2. Describe histological structure and function of Kidney.
- Que.3(C) Give the answer of following questions. (any three out of five) (03)
1. The main function of Ribosome is _____ .
 2. Lysosomes are also called as a_____.
 3. The main function of Glogi Complex is _____.
 4. Which gland is also known as Master gland?
 5. Which hormones are secreted by Adrenal gland?
- Que.4(A) Answer the following questions. (any one out of two) (07)
1. Give a general account of social behavior of Honey Bee.
 2. Give a general account on Courtship behavior of Scorpion and Peacock.

- Que.4(B) Answer the following questions. (any one out of two) (04)
1. Write a short note on Parental care behavior of Ichthyophis and Alytes.
 2. Write a short note on Rice Weevil as insect damaging food product.
- Que.4(C) Give the answer of following questions. (any three out of five) (03)
1. The life span of Honey Bee Workers is about _____.
 2. Name the two types of Soldiers present in Termite colony.
 3. _____ fish protect their eggs by caring them in their mouth.
 4. In Scorpion, _____ type of Dance shown during courtship behavior.
 5. List out any two insects damaging on House hold Goods.
- Que.5(A) Answer the following questions. (any one out of two) (07)
1. Describe Vansda National park.
 2. Describe Ecological pyramids.
- Que.5(B) Answer the following questions. (any one out of two) (04)
1. Describe principle application and uses of Sphygmomanometer.
 2. Write a short note on Asiatic Lion and Vulture as threatened wild animals
- Que.5(C) Give the answer of following questions. (any three out of five) (03)
1. Velavadar Nation Park is located in _____ district.
 2. Ratanmahal Sanctuary is famous for which animal?
 3. List out any two threatened Birds.
 4. List out any two threatened Mammals.
 5. Panthera leo persica is the scientific name of _____.
