

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov - 2024 (As Per Syllabus Year June-2017)
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 question (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 Arthropoda up to class with suitable examples.
- Que.1(B) Answer the following question (any one out of two). (04)
1. Give the classification of phylum Annelida up to class with suitable examples.
 2. Give the classification of phylum Coelentrata up to class with suitable examples.
- Que.1(C) Answer the following question (any three out of five) (03)
1. Give any two examples of phylum Porifera.
 2. Give any two examples of phylum Echinodermata.
 3. _____ are found as excretory organs in phylum Platyhelminthes.
 4. Pila belongs to phylum _____.
 5. Balanoglossus belongs to phylum _____.
- Que.2(A) Answer the following question (any one out of two) (07)
1. Describe Reproductive System of leech.
 2. Describe Sycon and Leucon type of canal system in sponge.
- Que.2(B) Answer the following question (any one out of two). (04)
1. Sketch and label: Digestive system of leech.
 2. Describe sponging type of mouth parts.
- Que.2(C) Answer the following question (any three out of five) (03)
1. Which anti-coagulant found in the saliva of Leech?
 2. The scientific name of Leech is _____.
 3. _____ is the connecting link between phylum Annelida and Arthropoda.
 4. _____ type of mouth parts found in Mosquito.
 5. Which type of mouthparts found in Butterfly?
- Que.3(A) Answer the following question (any one out of two) (07)
1. Describe structure and function of Golgi complex.
 2. Describe histological structure and function of Kidney.
- Que.3(B) Answer the following question (any one out of two). (04)
1. Describe structure and function of Lysosome.
 2. Describe histological structure and function of Adrenal gland.

- Que.3(C) Answer the following question (any three out of five) (03)
1. Write functions of Ribosome.
 2. What are the functions of Centrioles & Basal Bodies?
 3. Give names of any two pituitary hormones with its functions.
 4. Which hormones are secreted by thyroid glands?
 5. Which gland is also known as Master gland?
- Que.4(A) Answer the following question (any one out of two) (07)
1. Give a general account of social behaviour of Termite.
 2. Give a general account on courtship behaviour of spider and scorpion.
- Que.4(B) Answer the following question (any one out of two). (04)
1. Write a short note on parental care behaviour of Arius and Alytes.
 2. Write a short note on insect damaging household goods.
- Que.4(C) Answer the following question (any three out of five) (03)
1. What are the different roles or castes within a honey bee colony?
 2. Give names of pest of crop.
 3. Which disease does the Tse-Tse fly transmit?
 4. Which are some common diseases associated with house flies?
 5. How does Ichthyophis protect its eggs?
- Que.5(A) Answer the following question (any one out of two) (07)
1. Write note on: Vansda National Park.
 2. Describe: Energy Flow in Eco-system.
- Que.5(B) Answer the following question (any one out of two). (04)
1. Write note on: Ratanmahal Sloth bear Sanctuary.
 2. Write short note on: Haemoglobino Meter.
- Que.5(C) Answer the following question (any three out of five) (03)
1. Velavadar Nation Park is located in which district?
 2. Which animals are found in Shoolpaneshwar Wild life Sanctuary?
 3. Write the use of Sphygmomanometer.
 4. List out any two threatened Mammals.
 5. Write scientific name of Asiatic lion.
