

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov - 2022 (OLD COURSE)
ZOOLOGY(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1 (A) Answer The Following Questions (Any One Out Of Two) [07]

1. Discuss General Characters of phylum Arthropoda with class specific characters.
2. Discuss General Characters of phylum Coelenterata with class specific characters.

Que-1 (B) Answer The Following Questions (Any One Out Of Two) [04]

1. Discuss General Characters of phylum Annelida and only classify it.
2. Discuss General Characters of phylum Protozoa and only classify it.

Que-1 (C) Give The Answer Of Following Questions. (Any Three Out Of Five) [03]

1. Pseudocoelomate and Triploblastic character is associate with _____ phylum.
2. Tube feet as Locomotary Organ found in _____ phylum.
3. Nematocyte (stinging cell) is peculiarities of _____ phylum.
4. In Protozoa two unequal nucleus is found in _____ class.
5. Give only name of classes of phylum Platyhelminthes.

Que-2 (A) Answer The Following Questions (Any One Out Of Two) [07]

1. Describe Nervous system of leech with label diagram.
2. Describe various type of canal system in Porifera.

Que-2 (B) Answer The Following Questions (Any One Out Of Two) [04]

1. Write a short note on Sense Organ of Leech.
2. Write a short note on mouth parts of Cockroach.

Que-2 (C) Give The Answer Of Following Questions. (Any Three Out Of Five) [03]

1. How many testicular Nephridia found in Leech?
2. Siphoning type of mouth part found in _____.
3. Leech is divided in _____ segments.
4. How many crops found in difestive system of leech?
5. Rostrum, Haustillum and Labellum found in _____ type of mouth part.

Que-3 (A) Answer The Following Questions (Any One Out Of Two) [07]

1. Give detail structure and Function of Golgi Complex.
2. Describe histological structure and function of Thyroid gland.

Que-3 (B) Answer The Following Questions (Any One Out Of Two) [04]

1. Describe structure and function of Lysosome.
2. Describe histological structure and function of Pitutary gland.

Que-3 (C) Give The Answer Of Following Questions. (Any Three Out Of Five) [03]

1. Zona glomerulosa structure found in _____ histological structure.
2. How many triplets found in centrioles?
3. Bowman's capsules are found in histological structure of _____.
4. Write a major functions of Ribosome.
5. Development of Acrosome is one of the function of _____ organelles.

Que-4 (A) Answer The Following Questions (Any One Out Of Two) [07]

1. Give a general account of social behavior of Termite.
2. Describe Insect Affecting the Human Health.

Que-4 (B) Answer The Following Questions (Any One Out Of Two) [04]

1. Write a short note on Court Ship Behavior.
2. Write a short note on Cultural control in Insect Pest Management.

Que-4 (C) Give The Answer Of Following Questions. (Any Three Out Of Five) [03]

1. Give the example of two insects that Damaging in Storage Grain.
2. Mating flight in Honey Bee is known as _____.
3. _____ shows parental care by guarding the eggs through coiling.
4. _____ cause sleeping sickness in Human.
5. Sterile caste of Honey Bee is _____.

Que-5 (A) Answer The Following Questions (Any One Out Of Two) [07]

1. Describe Velavadar National park.
2. Give detail account of Energy Flow.

Que-5 (B) Answer The Following Questions (Any One Out Of Two) [04]

1. Describe principle application and uses of Haemoglobinometer.
2. Write a short note on any two threatened & wild Birds.

Que-5 (C) Give The Answer Of Following Questions. (Any Three Out Of Five) [03]

1. _____ is State Bird of Gujarat.
2. Shoolpaneshwar sanctuary is famous for which animal?
3. Sphygmomanometer is a device that measures _____.
4. Scientific name of Indian Peafowl is _____.
5. Ratanmahal Sloth Bear Sanctuary is situated in _____ district.
