

B.Sc. Semester - 3 (CBCS) Examination**Oct/Nov - 2022 [NEW COURSE]****Zoology-Z301(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 TWO OUT OF THREE) [10]

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.
3. 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 Annelida up to class with suitable examples.

QUE-2 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) [10]

1. Describe Digestive System of leech
2. Describe Ascon and Sycon type of canal system in sponge.
3. Describe chewing and biting type of mouth parts.

QUE-2 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) [04]

1. Sketch and label: Reproductive system in leech.
2. Write a short note on sponging type mouth parts.

QUE-3 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) [10]

1. Describe structure and function of Golgi complex.
2. Describe structure and function of Lysosome.
3. 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 Ribosome.
2. Describe histological structure and function of Testes.

QUE-4 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) [10]

1. Give a general account of social behavior of termite.
2. Give a general account on parental care behavior with suitable examples.
3. Give a general account on courtship and reproductive behavior with suitable examples.

QUE-4 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) [04]

1. Write a short note on Insect Damaging Food Products.
2. Write a short note on Insect Affecting on Human Health.

QUE-5 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) [10]

1. Describe Velavadar National Park.
2. Describe Ecological Pyramids.
3. Describe principle, application and uses of Haemoglobino Meter.

QUE-5 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) [04]

1. Write a note on Shoolpaneshwar Wildlife Sanctuary.
2. Write a short note on Snow Leopard and Greater Flamingo as Threatened animals.
