

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov - 2024 [As Per Syllabus Year June-2019]
Zoology-Z301(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 TWO OUT OF THREE) (10)
1. Give the classification of phylum Protozoa up to class.
 2. Give the classification of phylum Arthropoda up to class.
 3. Give the classification of phylum Echinodermata up to class.
- Que.1(B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Give the classification of phylum Porifera up to class.
 2. Give the classification of phylum Annelida up to class.
- Que.2(A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Describe Digestive system of leech.
 2. Describe Ascon and Leucon 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 & label Reproductive system of leech.
 2. Write a note on Sponging type of mouthparts.
- 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 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 Testis.
- Que.4(A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Describe social behaviour in Termite.
 2. Describe courtship behaviour of Scorpion and Peacock.
 3. Describe biological and chemical control of insect pest.
- Que.4(B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Describe parental care behaviour with any two suitable examples.
 2. Write a note on House fly as insect affecting human health.
- Que.5(A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Describe Vansda National Park.
 2. Describe Ecological pyramids.
 3. Describe Phase Contrast Microscope
- Que.5(B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a note on any two threatened birds of India.
 2. Write a note on reasons for depletion of wildlife.
