

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov - 2025 [New Course]
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 question (any two out of three) (10)
1. Classify phylum Porifera up to class with suitable examples.
 2. Classify phylum Arthropoda up to class with suitable examples.
 3. Classify phylum Annelida up to class with suitable examples.
- Que.1(B) Answer the following question (any one out of two). (04)
1. Classify phylum Protozoa up to class with suitable examples.
 2. Classify phylum Hemichordata up to class with suitable examples.
- Que.2(A) Answer the following question (any two out of three) (10)
1. Describe digestive system of Leech with suitable diagram.
 2. Describe canal system in sponges.
 3. Describe Paripatus as connecting link between Annelida & Arthropoda.
- Que.2(B) Answer the following question (any one out of two). (04)
1. Describe piercing & sucking type of mouthparts.
 2. Describe chewing & biting type of mouthparts.
- Que.3(A) Answer the following question (any two out of three) (10)
1. Describe structure and function of Golgi complex.
 2. Describe histological structure and function of pituitary gland.
 3. Describe histological structure and function of adrenal gland.
- Que.3(B) Answer the following question (any one out of two). (04)
1. Describe structure and function of Ribosome.
 2. Describe histological structure and function of kidney.
- Que.4(A) Answer the following question (any two out of three) (10)
1. Write note on social behaviour of honey bee.
 2. Write note on insects affecting human health: 1. House Fly 2. Mosquito.
 3. Write note on biological control of insect pest.
- Que.4(B) Answer the following question (any one out of two). (04)
1. Write note on parental care behaviour of Ichthyophis and Alytes.
 2. Write note on insects damaging household goods: 1. Termite 2. Silver Fish.
- Que.5(A) Answer the following question (any two out of three) (10)
1. Write note on Velavadar national park.
 2. Write note on energy flow in ecosystem.
 3. Write note on sphygmomanometer and its application.
- Que.5(B) Answer the following question (any one out of two). (04)
1. Write note on Ratanmahal sloth bear sanctuary.
 2. Write note on Asiatic Lion as an endangered wildlife of India.
