

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov. -2019 [NEW COURSE]
Zoology-Z301 (Core)

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

1. Illustrate your answer with neat and labeled diagrams.
 2. Figure to the right side indicates full marks of questions.
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Que. 1 (A) Answer the following question (write any two out of three). (10)

- (1) Classify phylum Platyhelminths with suitable examples.
- (2) Classify phylum Mollusca with suitable examples.
- (3) Classify phylum Arthropoda with suitable examples.

Que. 1(B) Answer the following question (write any one out of two). (04)

- (1) Draw classification chart of invertebrate animals from Kingdom to Class with example.
- (2) Classify phylum Hemichordata with suitable examples.

Que. 2 (A) Answer the following question (write any two out of three). (10)

- (1) Describe: Male reproductive organs of Leech.
- (2) Explain digestive system of Leech with diagram.
- (3) Describe: Sponging and Siphoning type mouthparts.

Que. 2 (B) Answer the following question (write any one out of two). (04)

- (1) Describe: Ascon and Leucon types of canal system.
- (2) Describe: Paripatus as connecting link between Annelida & Arthropoda.

Que. 3 (A) Answer the following question (write any two out of three). (10)

- (1) Describe: Centrioles & Basal Bodies.
- (2) Explain histological structure and function of mammalian kidney.
- (3) Explain histological structure and function of Pituitary gland.

Que. 3 (B) Answer the following question (write any one out of two). (04)

- (1) Describe the structure and function of Lysosome.
- (2) Explain histological structure and function of Adrenal gland.

Que. 4 (A) Answer the following question (write any two out of three). (10)

- (1) Describe any two Insects that damaging food products.
- (2) Describe social behavior of Termite.
- (3) Describe biological control

Que. 4 (B) Answer the following question (write any one out of two). (04)

- (1) Describe house fly and cockroach Insect that affecting Human health.
- (2) Describe parental behaviour

Que. 5 (A) Answer the following question (write any two out of three). (10)

- (1) Vansda National Park
- (2) Ecological pyramids
- (3) Sphygmomanometer

Que. 5 (B) Answer the following question (write any one out of two). (04)

- (1) Ratanmahal Sloth Bear Sanctuary
- (2) Describe any two threatened wild mammals of India.