

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov - 2023 [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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- Q-1 **A) Answer the following questions. (any two out of three)** (10)
- 1) Discuss general characters of Phylum Annelida with class specific characters.
 - 2) Discuss general characters of Phylum Coelenterata with class specific characters.
 - 3) Discuss general characters of Phylum Arthropoda with class specific characters.
- B) Answer the following questions. (any one out of two)** (04)
- 1) Discuss general characters of Phylum Echinodermata and classify it.
 - 2) Discuss general characters of Phylum Porifera and classify it.
- Q-2 **A) Answer the following questions. (any two out of three)** (10)
- 1) Describe Reproductive System of leech with suitable diagram.
 - 2) Write a short note on Leucon and Rhagon type of Canal system in Porifera.
 - 3) Describe mouth parts of Mosquito.
- B) Answer the following questions. (any one out of two)** (04)
- 1) Write a short note on Jaws and Salivary Gland of Leech.
 - 2) Write a short note on Chewing & Biting type of mouth parts.
- Q-3 **A) Answer the following questions. (any two out of three)** (10)
- 1) Describe histological structure and function of Ovary.
 - 2) Describe structure and function of Ribosome.
 - 3) Describe structure and function of Centrioles.
- B) Answer the following questions. (any one out of two)** (04)
- 1) Describe function of Golgi Body.
 - 2) Describe histological structure and function of Adrenal gland.
- Q-4 **A) Answer the following questions. (any two out of three)** (10)
- 1) Describe in detail Cultural and Biological Control of Insect pest.
 - 2) Give a general account on Social behavior in Honey bees.
 - 3) Give a general account on Parental Care behavior with suitable examples.
- B) Answer the following questions. (any one out of two)** (04)
- 1) Write a short note on Insect Damaging House hold Products.
 - 2) Write a short note on Insect Damaging Storage Grain.
- Q-5 **A) Answer the following questions. (any two out of three)** (10)
- 1) Describe the reasons for the Depletion of Wildlife.
 - 2) Describe Ecological Pyramids.
 - 3) Describe Velavadar National Park.
- B) Answer the following questions. (any one out of two)** (04)
- 1) Write a short note on Sphygmomanometer.
 - 2) Write a short note on any two Threatened wild Mammals of India.
