

B.Sc. Semester - 3 (CBCS) Examination

Nov/Dec. -2021 [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. (Write any two out of three)** (10)
1. Give the classification of phylum Protozoa upto class with suitable examples.
 2. Give the classification of phylum Mollusca upto class with suitable examples.
 3. Give the classification of phylum Arthropoda upto class with suitable examples
- Q. 1 (B) Answer the following questions. (Write any one out of two)** (04)
1. Give the classification of phylum Coelentrata upto class with suitable examples.
 2. Give the classification of phylum Platyhelminthes upto class with suitable examples.
- Q. 2 (A) Answer the following questions. (Write any two out of three)** (10)
1. Describe reproductive system of Leech.
 2. Describe Ascon and Sycon type canal system in sponges.
 3. Describe Piercing and sucking type of mouthpart.
- Q. 2 (B) Answer the following questions. (Write any one out of two)** (04)
1. Write a short note on of Sponging type of mouthparts.
 2. Write a short note on Jaws of leech
- Q. 3 (A) Answer the following questions. (Write any two out of three)** (10)
1. Describe the structure and function of Golgi complex.
 2. Describe the structure and function of Mammalian pituitary gland.
 3. Describe the structure and function of Lysosome.
- Q. 3 (B) Answer the following questions. (Write any one out of two)** (04)
1. Describe the structure and function of basal bodies.
 2. Describe the structure and function of Mammalian testis.
- Q. 4 (A) Answer the following questions. (Write any two out of three)** (10)
1. Explain social behaviour of termite.
 2. Explain Biological method of pest control.
 3. Describe parental care behaviour in Arius and Alytes.
- Q.4 (B) Answer the following questions. (Write any one out of two)** (04)
1. Describe the courtship and reproductive behaviour in Peacock and Spider.
 2. Write a short note on Silver fish as an insect damaging household goods.
- Q. 5 (A) Answer the following questions. (Write any two out of three)** (10)
1. Describe Velavadar National park.
 2. Give a general account on Ecological pyramids.
 3. Describe principle, procedure and application of haemoglobinometer.
- Q. 5 (B) Answer the following questions. (Write any one out of two)** (04)
1. Describe Shoolpaneshwar wildlife sanctuary.
 2. Describe Slender loris and great Indian bustard as threatened wild animals of India.