

B.Sc. Semester - 3 (CBCS) Examination

Nov/Dec. -2021 (OLD COURSE)

ZOOLOGY(CORE)

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

Q. 1 (A) Answer the following questions. (Write any one out of two) (07)

1. Give the classification of phylum Protozoa upto class with suitable examples.
2. Give the classification of phylum Echinodermata 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 Coelenterata upto class with suitable examples.
2. Give the classification of phylum Annelida upto class with suitable examples.

Q. 1 (C) Answer the following questions. (Write any three out of five) (03)

1. Pseudopodia and cilia are locomotory organs of phylum _____
2. Sponges belongs to phylum _____
3. List out the classes of phylum Platyhelminthes.
4. _____ is the largest phylum of animal kingdom.
5. Star fish and brittle star belongs to phylum _____

Q. 2 (A) Answer the following questions. (Write any one out of two) (07)

1. Describe reproductive system of Leech.
2. Describe sponging type of mouthpart.

Q. 2 (B) Answer the following questions. (Write any one out of two) (04)

1. Write a short note on Sycon type canal system in sponge.
2. Sketch and label: Digestive System in Leech.

Q. 2 (C) Answer the following questions. (Write any three out of five) (03)

1. _____ is the simplest type of canal system found in sponges.
2. How many crops found in digestive system of Leech.
3. According to food and feeding behaviour leech is _____
4. Peripatus is connecting link between phylum Annelida and _____
5. Which type of mouth parts found in Cockroach?

Q. 3 (A) Answer the following questions. (Write any one out of two) (07)

1. Describe the histological structure and function of Mammalian thyroid gland.
2. Describe the structure and function of Ribosome.

Q. 3 (B) Answer the following questions. (Write any one out of two) (04)

1. Describe the structure and function of Mammalian Adrenal gland.
2. Describe the structure and function of lysosome.

Q. 3 (C) Answer the following questions. (Write any three out of five) (03)

1. Main function of Ribosome is _____
2. Lysosome is also known as _____ of the cell.
3. _____ is the secretion of thyroid gland.
4. Give any two functions of Golgi Complexes.
5. Give the location of Adrenal gland in mammals.

Q. 4 (A) Answer the following questions. (Write any one out of two) (07)

1. Describe social behaviour of termites.
2. 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 Scorpion and Peacock.
2. Write a short note on Rice- weevil as an insect damaging food products.

Q. 4(C) Answer the following questions. (Write any three out of five)

(03)

1. Give any two examples of insect damaging household goods.
2. Give three casts of Honey Bee.
3. Termites are commonly known as _____
4. Promenade dance is shown by _____ during courtship behaviour.
5. Colling around eggs type parental care is found in _____

Q. 5 (A) Answer the following questions. (Write any one out of two)

(07)

1. Describe Shoolpaneshwar Wild Life Sanctuary.
2. Give a general account on Energy flow in ecosystem.

Q. 5 (B) Answer the following questions. (Write any one out of two)

(04)

1. Describe Velavadar National Park.
2. Describe principle, procedure and application of Haemoglobinometer.

Q. 5 (C) Answer the following questions. (Write any three out of five)

(03)

1. Give any two examples of threatened birds as wild animals of India.
2. Give any two examples of threatened mammals as wild animals of India.
3. Give the location Vansda National Park.
4. Give scientific name Asiatic Lion.
5. Ratan Mahal Sanctuary is famous for which animal?
