

B.Sc. Semester - 3 (CBCS) Examination
December. -2020 [OLD COURSE]
ZOOLOGY (CORE)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
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Que. 1 A) Answer the following questions (any one out of two) (07)

1. Give the classification of phylum Echinodermata up to class with suitable examples.
2. Give the classification of phylum Mollusca up to class with suitable examples.

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

1. Give the classification of phylum Porifera up to class with suitable examples.
2. Give the classification of phylum Annelida up to class with suitable examples.

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

1. All unicellular animals belong to phylum.....
2. Nereis belongs to phylum..... And class
3. Spider and limulus belongs to class and phylum
4. Exclusive marine animals belong to phylum.....
5. locomotory organ found star fish.

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

1. Explain different types of canal system in sponges.
2. Describe digestive system of Leech with suitable diagram.

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

1. Describe chewing and lapping type of mouth parts.
2. Describe female reproductive system of Leech with suitable diagram.

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

1. How many testes are there in Leech?
2. Which type of mouth parts found in house fly?
3. Spongocoel of porifera opens to outside through a narrow circular opening is known as
4. Peripatus is connecting link between phylum..... And
5. The posterior sucker of Leech is formed by the union of

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

1. Describe histological structure of mammalian adrenal gland.
2. Describe the structure and function of Golgi apparatus.

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

1. Explain the structure and function of Lysosome.
2. Describe histological structure of mammalian kidney.

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

1. Protein synthesis is the main function of
2. Thyroxin is the secretion of gland.
3. Pituitary gland is generally known as.....
4. is known as suicidal bag of cells.
5. Which type of kidney found in mammals?

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

1. Explain the social behaviour in termites.
2. General account of Tse – Tse flies and cricket as house hold insects pest.

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

1. Write a note on parental care in Arius, Ichthyophis and Alytes.
2. Explain the courtship and reproductive behaviour in spider and scorpion.

Que. 4 C) Answer the following questions (any three out of five) (03)

1. In honey bee the workers feed on royal jelly develops in to
2. There are Forms occur in fertile caste of termites.
3. Generally courtship dance performed by a
4. Female silverfish lays eggs at once.
5. The modern and most effective technique for the pest control method is

Que. 5 A) Answer the following questions (any one out of two) (07)

1. Describe Ratanmahal sloth bear sanctuary.
2. Describe types of ecological pyramids.

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

1. Write the principle, procedure and application of sphygmomanometer.
2. Describe slender loris and vulture are considered as threatened wild animals.

Que. 5 C) Answer the following questions (any three out of five) (03)

1. Gujarat comprise total National parks, Sanctuaries.
2. sloth bear sanctuary is situated in the dahod district.
3. The Zarwani waterfall is found in sanctuary.
4. is the state bird of Rajasthan.
5. Are considered as producers of ecosystem.
