

B.Sc. Semester - 3 (CBCS) Examination
Oct/Nov. -2019 (Old Course)
ZOOLOGY (CORE)

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

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que. 1 A) Answer the following (any one out of two) (07)

1. Characteristics of phylum Protozoa with class, give suitable example of each class.
2. Characteristics of phylum Echinodermata with class giving suitable example of each class.

Que. 1 B) Write any one out of two (04)

1. Characteristics of phylum Mollusca with class, give suitable example of each class.
2. Classify phylum Arthropoda with reason and examples.

Que. 1 C) Write any three out of five (03)

1. In liver fluke _____ is act as excretory organ.
2. Biomes appendages belongs to class _____.
3. Water vascular system is found in _____ phylum.
4. Primitive type of nervous system consisting of network of nerve cells found in _____ phylum.
5. Classify Glass sponges upto class

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

1. Describe Canal system in sponge.
2. Describe Digestive system of Leech.

Que. 2 B) Write any one out of two (04)

1. Peripetus is as connecting link between Annelida and Arthropod
2. Mouth part of cockroach.

Que. 2 C) Write any Three out of Five (03)

1. Which type of canal system found in Leucosolenia?
2. Proboscis of housefly is formed of which three parts?
3. How many jaws are found in Leech?
4. Peripetus belongs to class _____.
5. Draw a labelled diagram of salivary gland of Leech

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

1. Describe in brief –centriole.
2. Histological structural and function Adrenal gland.

Que. 3 B) Write any one out of two (04)

1. Structure and Functions of Golgi complex.
2. Functions of pituitary gland.

Que. 3 C) Write any Three out of Five (03)

1. Myxoedema and cretinism disorder associate with which Gland?.
2. Give any one functions of Ribosomes.
3. Adenohypophysis and neurohypophysis is part of _____ organ in mammals.
4. _____ is functional and structural unit of kidney.
5. Write any two functions of Lysosomes.

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

1. Describe social behaviour in Termite and Honey bee.
2. Rice weevil and Wheat weevil as pest

Que. 4 B) Write a note any one out of two (04)

1. Parental care
2. Cabbage butter fly.

Que. 4 C) Write any Three out of Five (03)

1. Give any two examples of cultural Control.
2. Which types of damage done by Silver fish?.
3. Sleeping sickness diseases is spread by _____ in human?
4. Which gender shows parental care in Alytes?
5. Make a list of Chlorinated hydrocarbon pesticides

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

1. Describe Ecological pyramids.
2. Shoolpaneshwar and Ratanmahal sloth bear Sanctuary

Que. 5 B) Write any one out of two (04)

1. Velavadar National Park
2. Vulture and Tiger as threatened wild animal.

Que. 5 C) Write any Three out of Five (03)

1. What is the measurement unit of sphygmomanometer?
2. Make a list of fauna of Vasnda National Park
3. Great Indian Bustard found in which state of India?
4. Define endangered species
5. Which acid is used in haemometer to convert haemoglobin into acid haematin?
