

B.Sc. Semester - 1 (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.
-

Que. 1 A) Give the answer of the following questions (04)

1. Give the name of classes of phylum coelenterata.
2. Water vascular system is peculiarities of the phylum _____ .
3. Which respiratory pigment is present in animal of phylum Annelida?
4. What is Taxonomy?.

Que. 1 B) Write any one out of two (02)

1. Classify hydra upto class with reasons.
2. Classify Scorpion upto class with reasons.

Que. 1 C) Write any one out of two (03)

1. Characteristics of phylum echinodermata with class, give suitable example of each class.
2. Characteristic of phylum Annelida with class, give suitable example of each class.

Que. 1 D) Write any one out of two (05)

1. Classify phylum protozoa with all classes with suitable examples.
2. Characteristics of phylum Arthropoda with class giving suitable example of each class.

Que. 2 A) Give the answer of the following questions (04)

1. Pupa of mosquito is known as_____.
2. Which type of mouth parts are found in mosquito?
3. Write scientific name of tape worm.
4. In which segments pharynx is present in earth worm?

Que. 2 B) Write any one out of two (02)

1. Body setae – Location, structure and function.
2. Draw only labelled diagram of nervous system of earth worm.

Que. 2 C) Write any one out of two (03)

1. Mouth parts of anopheles mosquito.
2. Scolex of *Taeniasolium*.

Que. 2 D) Write any one out of two (05)

1. Reproductive system of earth worm.
2. Life cycle of culexs mosquito.

Que. 3 A) Give the answer of the following questions (04)

1. Who discovered the mitochondria and who gave the name mitochondria?
2. Kupffer cells are. Found in _____ organ
3. Give the function of Alpha cells in pancrease.
4. What is phagocytosis?

- Que. 3 B) Write any one out of two** (02)
1. Draw a labelled diagram of T.S. of intestine.
 2. Function of plasma membrane
- Que. 3 C) Write any one out of two** (03)
1. Histological structure of pancreas and functions.
 2. Functions of nucleus.
- Que. 3 D) Write any one out of two** (05)
1. Describe in brief - mitochondria.
 2. T.S. of mammalian stomach i and function of it.
- Que. 4 A) Give the answer of the following questions** (04)
1. Racophorous show _____ adaptation.
 2. Which types of scales are found in bony fishes.
 3. Write only name of branches of ecology.
 4. Which nets are used with trawler boat?
- Que. 4 B) Write any one out of two** (02)
1. Cycloid scale.
 2. Fossorial adaptation.
- Que. 4 C) Write any one out of two** (03)
1. Difference between chondrichthyes and ostrichthyes.
 2. Gill net
- Que. 4 D) Write any one out of two** (05)
1. Volant adoptions.
 2. Pond ecosystem.
- Que. 5 A) Give the answer of the following questions** (04)
1. What is wild life?
 2. Give location and area of Khijadia Bird Sanctuary.
 3. Give the only reasons for depletion of wild life?
 4. Which is the largest sanctuary of Gujarat?
- Que. 5 B) Write any one out of two** (02)
1. Location and mammalian fauna of Barda Wildlife Desert Sanctuary.
 2. Difference between National Park and Sanctuary.
- Que. 5 C) Write any one out of two** (03)
1. Marine National Park.
 2. Nal Sarovar Bird Sanctuary.
- Que. 5 D) Write any one out of two** (05)
1. Gir National Park.
 2. Kutchh Desert Wild life sanctuary.
