

B.Sc. Semester - 1 (CBCS) Examination
Nov/Dec - 2022 (NEW 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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- Q. 1 (A) Answer the following questions. 04**
1. Give any two examples of phylum Coelentrata.
 2. Flame Cells are as excretory organ in phylum _____
 3. Jointed appendages are the characteristic of phylum _____
 4. Presence of water vascular system is the characteristic of phylum _____
- Q. 1 (B) Answer the following questions. (Any one out of two) 03**
1. Give the classification of phylum Porifera upto class with suitable examples.
 2. Give the classification of phylum Annelida upto class with suitable examples.
- Q. 1 (C) Answer the following questions. (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. 2 (A) Answer the following questions. 04**
1. The earthworm moves with the help of _____
 2. Pupa of mosquito is also known as _____
 3. Which type of mouth parts found in mosquito ?
 4. _____ is the secondary host of *Taenia solium*.
- Q. 2 (B) Answer the following questions. (Any one out of two) 03**
1. Write a short note on larva of *Culex* mosquito.
 2. Write a short note on scolex of *Taenia solium*.
- Q. 2 (C) Answer the following questions. (Any one out of two) 07**
1. Describe a digestive system of Earthworm.
 2. Describe mouth parts of male *Anopheles* mosquito.
- Q. 3(A) Answer the following questions. 04**
1. Nuclear membrane is composed by which substance ?
 2. In rough endoplasmic reticulum _____ is attached on its surface.
 3. Digestion and absorption of food take place in _____
 4. Which type of cells secreted glucagon from islets of langerhans ?
- Q. 3 (B) Answer the following questions. (Any one out of two) 03**
1. Give only structure of endoplasmic reticulum.
 2. Give only histological structure of Pancreas.
- Q. 3 (C) Answer the following questions. (Any one out of two) 07**
1. Give structure and function of mitochondria.
 2. Give histological structure and function of stomach.

- Q. 4 (A) Answer the following questions.** **04**
1. Producers are _____ according to nutrition.
 2. Which type of scales found in Chondrichthyes.
 3. Give the name of mechanized boat.
 4. Desert animals excrete _____ as excretory material.
- Q. 4 (B) Answer the following questions. (Any one out of two)** **03**
1. Describe aquatic adaptation .
 2. Describe gill net.
- Q. 4 (C) Answer the following questions. (Any one out of two)** **07**
1. Give the difference between Chondrichthyes and Osteichthyes.
 2. Describe Fresh water pond ecosystem.
- Q. 5 (A) Answer the following questions.** **04**
1. Give the location of Khijadia Bird sanctuary.
 2. List out fauna of marine national park.
 3. Give the principle of pH meter.
 4. List out the fauna of Nal sarovar bird sanctuary.
- Q. 5 (B) Answer the following questions. (Any one out of two)** **03**
1. Describe Kutch desert wildlife sanctuary.
 2. Give the difference between National park and Sanctuary.
- Q. 5 (C) Answer the following questions. (Any one out of two)** **07**
1. Describe Gir national park.
 2. Describe Principle, application and uses of Centrifuge.
