

B.Sc. Semester - 1 (CBCS) Examination
Oct/Nov-2023 (Syllabus Year - 2016)
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 questions. (04)
1. Give any two examples of phylum protozoa.
 2. Which type of excretory organs found in phylum platyhelminthes.
 3. Closed type of circulatory system is the characteristics of phylum_____.
 4. Which phylum bears exclusively marine animals?
- Que.1(B) Answer the following questions. (any one out of two) (02)
1. Give only characters of phylum porifera.
 2. Give only characters of phylum platyhelminthes.
- Que.1(C) Answer the following questions. (Any one out of two) (03)
1. Give the classification of phylum Coelentrata up to class.
 2. Give the classification of phylum Annelida up to class.
- Que.1(D) Answer the following questions. (Any one out of two) (05)
1. Give the classification of phylum Protozoa up to class with suitable examples.
 2. Give the classification of phylum Arthropoda up to class with suitable examples.
- Que.2(A) Answer the following questions. (04)
1. Earthworm belongs to phylum _____.
 2. Piercing and sucking type of mouthparts is found in _____.
 3. Larva of Mosquito is also called _____.
 4. Who is the primary host of *Taenia solium*?
- Que.2(B) Answer the following questions. (Any one out of two) (02)
1. Write a short note on eggs of Anopheles Mosquito.
 2. Describe Pupa of Culex Mosquito.
- Que.2(C) Answer the following questions. (Any one out of two) (03)
1. Describe Scolex of *Taenia solium*.
 2. Sketch and label Culex male mouthparts.
- Que.2(D) Answer the following questions. (Any one out of two) (05)
1. Describe Digestive system of Earthworm.
 2. Describe mouthparts of Male Anopheles Mosquito.
- Que.3(A) Answer the following questions. (04)
1. _____ is the power house of the cell.
 2. Give the name of two types of Endoplasmic Reticulum.
 3. Which organ produces Bile?
 4. Which layer of stomach consists Villi?
- Que.3(B) Answer the following questions. (Any one out of two) (02)
1. Give the functions of Plasma membrane.
 2. Give the functions of Liver.
- Que.3(C) Answer the following questions. (Any one out of two) (03)
1. Give only structure of Nucleus.
 2. Give only histological structure of Pancreas.
- Que.3(D) Answer the following questions. (Any one out of two) (05)
1. Give structure and functions of Endoplasmic Reticulum
 2. Give histological structure and functions of Stomach.

- Que.4(A) Answer the following questions. (04)
1. List out Abiotic factors.
 2. Which type of scales are found in Bony fish?
 3. Give the name of Non-Mechanized Boat.
 4. Producers depend upon _____ for their food.
- Que.4(B) Answer the following questions. (Any one out of two) (02)
1. Describe Lodhiyo.
 2. Describe Placoid scales
- Que.4(C) Answer the following questions. (Any one out of two) (03)
1. Describe Desert Adaptation.
 2. Describe Hook and Line.
- Que.4(D) Answer the following questions. (Any one out of two) (05)
1. Describe Freshwater Pond Ecosystem.
 2. Give Difference between Chondrichthyes and Osteichthyes.
- Que.5(A) Answer the following questions. (04)
1. Give location of Marine National Park.
 2. Flamingo city is located in _____ sanctuary.
 3. List out fauna of Khijadia Bird Sanctuary.
 4. _____ sanctuary is also known as second home of Asiatic Lions.
- Que.5(B) Answer the following questions. (Any one out of two) (02)
1. List out flora and fauna of Kutch Desert Wildlife Sanctuary.
 2. Give the importance of Wildlife.
- Que.5(C) Answer the following questions. (Any one out of two) (03)
1. Give difference between National Park and Sanctuary.
 2. Give flora and fauna of Marine National Park.
- Que.5(D) Answer the following questions. (Any one out of two) (05)
1. Describe Gir National Park.
 2. Describe Nal Sarovar Bird Sanctuary.
