

B.Sc. Semester - 1 (CBCS) Examination
Oct/Nov-2025 (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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- Que.1(A) Answer the following questions. (04)
1. Arcella and Ceratium belongs to phylum
 2. Presence of canal system is the characteristic of phylum
 3. Jointed appendages are the characteristic of phylum
 4. Starfish belongs to phylum
- Que.1(B) Answer the following questions. (Any one out of two) (03)
1. Give general characters of phylum Coelentrata up to class.
 2. Give general characters of phylum Annelida up to class.
- Que.1(C) Answer the following questions. (Any one out of two) (07)
1. Give general characters of phylum Protozoa up to class.
 2. Give general characters of phylum Mollusca up to class.
- Que.2(A) Answer the following questions. (04)
1. is the primary host of Taniea Solium.
 2. Earthworm belongs to phylum
 3. Pupa of mosquito is known as
 4. Which type of mouth parts found in mosquito ?
- Que.2(B) Answer the following questions. (Any one out of two) (03)
1. Write a note on Cysticercus larva.
 2. Sketch & label mouthparts of culex female mosquito.
- Que.2(C) Answer the following questions. (Any one out of two) (07)
1. Describe digestive system of Earthworm.
 2. Describe life cycle of Anopheles Mosquito.
- Que.3(A) Answer the following questions. (04)
1. is the power house of the cell.
 2. In rough endoplasmic reticulum is attached on its surface.
 3. Islets of Langerhans are easily seen in the T.S. of
 4. The outermost layer of intestine is
- Que.3(B) Answer the following questions. (Any one out of two) (03)
1. Describe structure of Endoplasmic Reticulum.
 2. Describe histological structure of mammalian pancreas.
- Que.3(C) Answer the following questions. (Any one out of two) (07)
1. Describe structure and function of mitochondria.
 2. Describe histological structure and function of mammalian stomach.
- Que.4(A) Answer the following questions. (04)
1. List out abiotic factors .
 2. Desert animals excrete as excretory material.
 3. Which type of caudal fin found in chondrichthyes ?
 4. Which type of scales found in bony fishes ?

- Que.4(B) Answer the following questions. (Any one out of two) (03)
1. Write a note on Arboreal adaptation.
 2. Write a note on Cast net.
- Que.4(C) Answer the following questions. (Any one out of two) (07)
1. Give difference between Chondrichthyes and Osteichthyes.
 2. Describe Pond Ecosystem.
- Que.5(A) Answer the following questions. (04)
1. Give the location of Gir National Park.
 2. List out the fauna of Nalsarovar bird sanctuary.
 3. Give the principle of pH meter.
 4. List out the flora of Barda Wildlife Sanctuary.
- Que.5(B) Answer the following questions. (Any one out of two) (03)
1. Give the difference between National park and Sanctuary.
 2. Describe flora and fauna of Kutch desert wildlife sanctuary.
- Que.5(C) Answer the following questions. (Any one out of two) (07)
1. Describe Marine national park.
 2. Give the principle, structure and function of centrifuge.
