

B.Sc. Semester - 1 (CBCS) Examination
July-2025 (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 questions. (04)**
- 1) All sponges belongs to phylum.....
 - 2) All acoelomatic animals belongs to phylum.....
 - 3) is the second largest phylum of the world.
 - 4) Balanoglossus belongs to phylum.....
- Que-1(B) Answer the following questions. (Any one out of two) (02)**
- 1) Give any four character of phylum coelenterata.
 - 2) Give any four character of phylum Echinodermata.
- Que-1(C) Answer the following questions. (Any one out of two) (03)**
- 1) Give the classification of phylum Porifera up to class with suitable examples.
 - 2) Give the classification of phylum Annelida up to class with suitable examples.
- 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)is the primary host of the Taenia solium.
 - 2) Scientific name of earthworm is.....
 - 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) (02)**
- 1) Sketch and label: Scolex of Taenia solium.
 - 2) Sketch and label: Culex female mouth part.
- Que-2(C) Answer the following questions. (Any one out of two) (03)**
- 1) Write a short note on: Larva of Anopheles Mosquito.
 - 2) Write a short note on: Mouthparts of Anopheles male.
- Que-2(D) Answer the following questions. (Any one out of two) (05)**
- 1) Describe Digestive system of Earthworm.
 - 2) Describe lifecycle of Culex mosquito.
- Que-3(A) Answer the following questions. (04)**
- 1) In Rough Endoplasmic Reticulum,.....is attached on its surface.
 - 2) Different metabolic and hereditary activities of cells are controlled by.....
 - 3) The innermost layer of intestine is.....
 - 4) Which hormone is secreted by Beta cells of pancreas?
- Que-3(B) Answer the following questions. (Any one out of two) (02)**
- 1) Write a short note on Functions of Pancreas.
 - 2) Write a short note on Functions of Plasma membrane.
- Que-3(C) Answer the following questions. (Any one out of two) (03)**
- 1) Describe histological structure of mammalian liver.
 - 2) Describe structure of Mitochondria.

- Que-3(D) Answer the following questions. (Any one out of two) (05)**
1) Describe histological structure and function of mammalian stomach.
2) Describe structure and function of Endoplasmic Reticulum.
- Que-4(A) Answer the following questions. (04)**
1) List out any two Biotic factors.
2) Which type of scales found in Osteichthyes?
3) Give the name of non mechanised boat.
4) Animals having adaptations for life on trees and climbing is called.....
- Que-4(B) Answer the following questions. (Any one out of two) (02)**
1) Write a short note on Placoid scales of fishes.
2) Write a short note on Lodhiyo boat.
- Que-4(C) Answer the following questions. (Any one out of two) (03)**
1) Write a short note on desert adaptation.
2) Write a short note on Gill net.
- Que-4(D) Answer the following questions. (Any one out of two) (05)**
1) Give the difference between Chondrichthyes and Osteichthyes.
2) Describe Marine Ecosystem in detail.
- Que-5(A) Answer the following questions. (04)**
1) Flamingo city is located at
2) List out fauna of Kutch desert wildlife sanctuary .
3) List out any two national park of Gujarat.
4) Give the location of Barda wildlife Sanctuary.
- Que-5(B) Answer the following questions. (Any one out of two) (02)**
1) Write a short note on flora and fauna of Barda wildlife Sanctuary.
2) Give the difference between National Park and Sanctuary.
- Que-5(C) Answer the following questions. (Any one out of two) (03)**
1) Write a short note on Marine National Park.
2) Write a short note on Khijadia wildlife sanctuary.
- Que-5(D) Answer the following questions. (Any one out of two) (05)**
1) Describe Gir national park.
2) Describe Nalsarovar bird sanctuary.
