

B.Sc. Semester - 1 (CBCS) Examination
Nov./Dec. -2018 (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) Give the answer of the following questions. (04)
- (1) Give the name of classes of phylum Porifera.
 - (2) Water vascular system is peculiarities of the phylum _____.
 - (3) Which respiratory pigment is present in animal of phylum Arthropoda?
 - (4) Smallest taxa of classification is _____.
- (B) Write any one out of two. (02)
- (1) Classify Hydra upto class with reasons.
 - (2) Classify Lobster upto class with reasons.
- (C) Write any one out of two. (03)
- (1) Characteristics of phylum Protozoa with class, give suitable example of each class.
 - (2) Characteristic of phylum Annelida with class, give suitable example of each class.
- (D) Write any one out of two. (05)
- (1) Classify phylum Echinodermata 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) Larva of tape worm is known as _____.
 - (2) Which type of mouth parts are found in mosquito?
 - (3) Write scientific name of earth worm.
 - (4) In which segment gizzard is present in earth worm?
- (B) Write any one out of two. (02)
- (1) Body setae- Location, structure and function.
 - (2) Draw only labelled diagram of digestive system of earth worm.
- (C) Write any one out of two. (03)
- (1) Mouth parts of culex mosquito.
 - (2) Scolex of Taenia solium.
- (D) Write any one out of two. (05)
- (1) Nervous system of earth worm.
 - (2) Life cycle of anopheles mosquito.
- Que-3 (A) Give the answer of the following questions. (04)
- (1) Who discovered the mitochondria and who gave the name mitochondria?
 - (2) Presence of _____ cells in liver indicate immune response.
 - (3) Give the function of Beta cells in pancreas.
 - (4) What is phagocytosis?
- (B) Write any one out of two. (02)
- (1) Draw a labelled diagram of T.S. of stomach.
 - (2) Function of nucleus.
- (C) Write any one out of two. (03)
- (1) Histological structure of pancreas and functions.
 - (2) Functions of plasma membrane.

- (D) Write any one out of two. (05)
- (1) Describe in brief-mitochondria.
 - (2) T.S. of mammalian intestine and function of it.
- Que-4 (A) Give the answer of the following questions. (04)
- (1) Exocoetus show _____ adaptation.
 - (2) Which types of scales are found in osteichthyes.
 - (3) Write only name of branches of ecology.
 - (4) Which nets are used with dugout canoe boat?
- (B) Write any one out of two. (02)
- (1) Placoid scale.
 - (2) Desert adaptation.
- (C) Write any one out of two. (03)
- (1) Difference between chondrichthyes and ostrichthyes.
 - (2) Trawlar boat.
- (D) Write any one out of two. (05)
- (1) Aquatic adoptions.
 - (2) Pond ecosystem.
- Que-5 (A) Give the answer of the following questions. (04)
- (1) What is wildlife?
 - (2) Make a list of avian fauna of Khijadia Bird Sanctuary.
 - (3) Write the scientific name of Asiatic lion?
 - (4) Which is the largest sanctuary of Gujarat?
- (B) Write any one out of two. (02)
- (1) Location and mammalian fauna of Kutch Wildlife Desert Sanctuary.
 - (2) Difference between National Park and Sanctuary.
- (C) Write any one out of two. (03)
- (1) Barada Wildlife Sanctuary.
 - (2) Nal Sarovar Bird Sanctuary.
- (D) Write any one out of two. (05)
- (1) Gir national Park.
 - (2) Marine National Park.
