

ZOOLOGY

CORE COURSE I  
CU-SEM I -2017

Section A: Long Answer type. Attempt any four. (8x4)

1. Mention the distinguishing characters of Phylum Cnidaria. Classify upto class level giving examples of each class.
2. What is metamorphosis? Write a detailed account on various types of metamorphosis in insects.
3. Write down the salient features of Chondrichthyes and classify it upto orders giving examples of each group.
4. Describe the distinctive features of class Aves. Write down the zoological names of any two birds found in Kashmir.
5. Give an illustrated account of the life history of *Ascaris lumbricoides*.
6. Give detailed account of parental care in Amphibian.

Section B: Applied /Problem solving. Attempt any four. (4x4)

1. What prophylactic measures would you suggest to control Taeniasis.
2. What are sources and use of: a) Fish oil b) Isenglass
3. How can you differentiate between poisonous and non-poisonous snakes?
4. How are cyclostomes different from fishes?
5. How is flagellar locomotion different than ciliary locomotion in protista.
6. What is the relationship between water vascular system and tube-feet?

Section C: Multiple choice .All questions are compulsory (1x8=8)

1. Which Protistan Protozoa is the causative agent for malaria  
a) Entamoeba                      b) Plasmodium  
b) Leishmania                      d) All the above
2. Which larval stage is not found in Taenia  
a) Hexacanth                      b) Onchosphere  
c) Cysticercus                      d) Miracidium
3. Which of the following is a gastropoda molluscs  
a) Pila                                  b) Lepisma  
c) Asterias                              d) Neoplina
4. Petromyzon belongs to the group  
a) Agnatha                              b) Gnathostomata  
c) Pisces                                  d) Tetrapoda

2

4

5. Presence of Rasping organ Radula is the characteristics feature of
  - a) Fishes
  - b) Echinodermata
  - c) Molluscs
  - d) Arthropoda
6. Limbless amphibian belong to order
  - a) Anura
  - b) Urodela
  - c) Apoda
  - d) None of the above
7. Flightless birds are included in
  - a) Odontognathae
  - b) Impennae
  - c) Carinatae
  - d) Ratitae
8. In mammals hindlimbs are absent in
  - a) Rodents
  - b) Marsupials
  - c) Cetaceans
  - d) Chiropterus

Section B: Applied / Practical (Answer any four) (16)

1. What are the characteristics of the water vascular system?
2. How do you differentiate between the following animals?
  - a) Starfish and sea urchin
  - b) Jellyfish and comb jelly
  - c) Hydra and Obelia
3. How do you differentiate between the following animals?
  - a) Earthworm and leech
  - b) Frog and toad
4. What is the relation between water vascular system and the body?

Section C: Multiple choice. All questions are compulsory. (16)

1. Which of the following is the characteristic organ for respiration?
  - a) Lungs
  - b) Gills
  - c) Skin
  - d) All the above
2. Which larval stage is not found in the life cycle of a mollusc?
  - a) Trochophore
  - b) Veliger
  - c) Cydippid
  - d) Velum
3. Which of the following is a parasitic mollusc?
  - a) Pila
  - b) Lymnaea
  - c) Planorbis
  - d) Physa
4. Which of the following is a parasitic mollusc?
  - a) Physa
  - b) Lymnaea
  - c) Planorbis
  - d) Pila