



MBD-003-001113 Seat No. _____

B. Sc. (Sem. I) (CBCS) Examination

November / December – 2016

Zoology : Paper - Z - 101

(Old Course)

Faculty Code : 003

Subject Code : 001113

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions : (1) Draw neat and labeled diagram wherever necessary.
(2) Figures to the right side indicate full marks for the question.

Que-1: Answer the following questions in short or in one word. (20)

1. When mouth is ventral in position then the fish is of _____ type.
2. Which type of scale observed in chondrichthyes?
3. Liver fluke is belongs to class _____ of phylum platyhelminthes.
4. The first coelomates animals are of _____ phylum.
5. Earthworm belongs to class _____ .
6. Body cavity is of pseudocoelom type in Ascaris. (True or False).
7. The maxillary palps are _____ segmented in female culex.
8. How many pairs of valves are there inside the lateral hearts?
9. Name the three classes of phylum porifera.
10. Name the largest phylum according to numbers of animal species.
11. The scientific name of Tapeworm is _____.
12. Animals living inside burrows and having the special adaptation for digging and burrowing are known as _____ Adaptation.
13. Which is the only place in the world, outside Africa where lion can be seen in its natural habitat.

14. Name the bird sanctuary which is heaven of migratory birds located near Ahmadabad.
15. Name all the four types of Migration.
16. Name the inner most layer of stomach wall.
17. Name the phylum which is bilaterally symmetrical, acoelomate and Dorsoventrally flattened.
18. The flattened ribbon like body after neck is known as _____ in Tape worm.
19. Exocoetus is an example of _____ Adaptation.
20. Presence of water vascular system is the most characteristic feature of phylum _____.

2 : (A) : Answer any three out of six. (06)

1. Write the functions of Mitochondria.
2. Name the classes of phylum Coelenterata with examples.
3. Explain Hook net.
4. Explain pharyngeal nephridia of Earthworm.
5. Explain eggs of culex.
6. Explain blood gland in Earthworm

(B) : Answer any three out of six. (09)

1. Draw labeled diagram of reproductive system in Tapeworm.
2. Write abiotic factors of fresh water ecosystem.
3. Write practical tips for bird watching in the field.
4. Describe the phylum in which animals are microscopic and single celled.
5. Explain ventral side of Earthworm.
6. Explain pupa of Anopheles.

(C) : Answer any two out of five. (10)

1. Explain Trawler boat with diagram.
2. Explain the histological structure of stomach.
3. Explain the Nervous system of Earthworm.
4. Write a note on endoplasmic reticulum
5. Difference between cartilaginous and bony fish.

3 : (A) : Answer any three out of six. (06)

1. Write the functions of cell membrane.
2. Explain any two types of claws.
3. Write basic principles of forensic science.
4. Classify Star fish.
5. Explain epidermal sense organ in Earthworm.
6. Write characters of desert adaptation.

(B) : Answer any three out of six. (09)

1. Explain ctenoid scale.
2. Explain Dingi boat
3. Explain cysticercus larva of Tapeworm
4. Explain copulation of Earthworm.
5. Explain biotic factors of marine ecosystem.
6. Explain larva of culex.

(C) : Answer any two out of five. (10)

1. Explain digestive system of Earthworm.
2. Explain Gir national park
3. Explain mouth parts of culex.
4. T.S. of pharyngeal region in Earthworm
5. Explain Migration.