

9/10/2013

VCD 91013

F.Y.BSc. Zoology (CBZ) Semester-I Paper-I

Note:

Total Marks -60
Duration - 2 Hrs.

- All questions are compulsory.
- All questions carry equal marks.
- Draw diagram wherever necessary

Q1A) Answer in one sentence: (Any 3)

(03)

- 1) What are hermaphrodites?
- 2) What is the major difference between male and female ascaris worm?
- 3) Which phylum does tapeworm belong?
- 4) What is ostia and Osulum?
- 5) Give any 2 characters of amoeba.
- 6) What is tagmentation? In which phylum it is seen?

Q1B) Answer the following (Any 3)

(12)

- 1) Give salient features of tapeworm
- 2) Comment on types of spicules
- 3) With the help of suitable example, give a detail note on platyhelminthes?
- 4) What is acoelomate? Explain with examples.
- 5) Give detail of salient features of phylum arthropoda.
- 6) Define symmetry and give its various types along with examples.

Q2A) Answer the following (Any 1)

(08)

- 1) Explain ~~pseudopodia~~ with examples
- 2) What is nutrition? Describe symbiotic digestion in ruminants

Q2B) Answer the following (Any 1)

(07)

- 1) Describe EMP pathway
- 2) Describe structure of human heart

(P.T.O)

Q3A) Define (Any 3)

(03)

- 1) Ecological System
- 2) Abiotic factors
- 3) Symbiosis
- 4) Antibiosis
- 5) Consumers
- 6) Decomposers

(12)

Q3B) Answer the following (Any 2)

- 1)) Describe Phosphorus cycle
- 2) Explain the transfer of energy in the ecosystem
- 3) Draw a diagrammatic representation of Nitrogen cycle
- 4) Explain Predation and Parasitism

(03)

Q4A) Define (Any 3)

- 1) Diploblastic animal
- 2) Acoelomates.
- 3) Digestion
- 4) Inspiration
- 5) Food web
- 6) Biotic components

(12)

Q4B) Answer the following (Any 2)

- 1) Explain briefly with atleast 2 examples about subgroup : mastigophora
- 2) Define blood .Describe different types of blood cells.
- 3) Explain Mutualism with examples
- 4) Explain Commensalism with example