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SARDAR PATEL UNIVERSITY
B.Sc III-SEMESTER EXAM-2013
SUBJECT: ZOOLOGY
Vertebrata and Invertebrate
CODE: US03CZOO-01

Time-2.30to 5.30pm

Date -23/11/2013

Total marks -70.

Q1 MULTIPLE CHOICE QUESTION [choose correct answer] 10

1.Sycon transports its food by:

- a) Pinnacocytes b) Trophocytes
c) Choanocytes d) Porocytes

2.Haploid stage in the life history of obelia is?

- a)Hydranth b)Medusa
c)Gametes d)Planula larva.

3 Which side of the Nereis is concave?

- a)Dorsal b)Ventral
c)Lateral d) Anterior.

4 Which diseases is caused by Liver fluke ?

- a)Hepatitis b)Taeniasis
c)Fascioliasis d)Malaria.

5.Which one is the temporary opening in the liver fluke?

- a)Excretory pore b)Genital pore
c)Laurer's canal d)Mouth.

6. Erythrocytes in scoliodon are:

- a)Circular ,nucleated b)Circular enucleated
c)Oval,nucleated d)Oval enucleated.

7.Scoliodon is?

- a)Marine herbivorous b)Freshwater carnivorous
c)Freshwater omnivorous d) Marine carnivorous and predator.

8.During summer frog goes underground to sleep .It is called as.

- a)Aestivation b)Hibernation
c)Metamorphosis d)None of these.

9.The hepatopancrease duct of frog opens into:

- a)Stomach b)Oesophagus
c)Buccal cavity d)duodenum.

10.Patches of teeth found on the roof of buccal cavity of frog are called -----.

- a)Vomerine teeth b)Polyphydont
c)Homodont d)Isodont.

Conti..

Q2 SHORT ANSWER QUESTIONS[Attempt any ten]

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1. Write a note on the body wall of Sycon.
2. Describe locomotion in obelia colony .
3. Write the water current found in ascon type of canal system.
4. Describe jaw of Nereis .
5. Write the name of external apertures found in liver fluke.
6. Write note on flame cells.
7. Write economic importance of Scoliodon.
8. Enlist sense organ of scoliodon .
9. Write systematic position of scoliodon.
10. What is camouflage ?
11. Write the economic importance of frog.
12. Explain gastric digestion in frog.

- Q3 a) Write a note on Alternation of generation in Obelia. 06
 b) Describe multiple fission in protozoa. 04

OR

- Q3 a) Describe different cells found in Ectodermis in Obelia. 06
 b) Describe methods of locomotion in protozoa. 04

- Q4 Describe life cycle of liver fluke in detail. 10

OR

- Q4 a) Explain external character of liverfluke 05
 b) Write note on Heteronereis. 05

- Q5 Describe digestive system of Scoliodon with labelled diagram. 10

OR

- Q5 a) Write note on Ampulla of Lorenzini. 05
 b) Write note on Mermaid's purse 05

- Q6 a) Give an account of pulmonary respiration in frog. 05
 b) Describe the physiology of digestion in frog. 05

OR

- Q6 a) Write about sexual dimorphism in frog . 05
 b) Describe female urinogenital system of frog. 05
