

SEAT No. _____

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Sardar Patel University
B.Sc Third Semester exam - 2022
US03CZ0051

Code: Invertebrate, Economic Zoology & Toxicology

Date and Day: 15/11/22; Tuesday

Time: 10 am to 1:00 pm

Full Marks: 70

10

Q.1 Multiple choice questions:

1. Axopodia is a type of?
 - a. Flagella
 - b. Cilia
 - c. Myonemes
 - d. Pseudopodia
2. Which structure in sponges corresponds to the mouth of other animals?
 - a. Ostia
 - b. Osculum
 - c. Incurrent canal
 - d. Excurrent canal
3. Buds grow on body of Hydra
 - a. From base
 - b. Near base of tentacles
 - c. From middle of body
 - d. From anywhere
4. The stage of life history of the liver fluke when it infects the primary host:
 - a. Redia
 - b. Cercaria
 - c. Sporocyst
 - d. Cysticercus
5. Botryoidal tissue is found in
 - a. Unio
 - b. Ascaris
 - c. Hirudinaria
 - d. Nereis
6. The posterior sucker of Hirudinaria is formed by the union of
 - a. 1 segment
 - b. 7 Segment
 - c. 25 Segment
 - d. 33 Segment
7. Mouth parts of cockroach are
 - a. Chewing and biting type
 - b. Piercing and sucking
 - c. Chewing and sucking
 - d. Licking and chewing
8. The crustacean biramous appendages have a basal part known as
 - a. Exopodite
 - b. Epipodites
 - c. Protopodite
 - d. Endopodite
9. Chemical nature of lac is:
 - a. Protein
 - b. Carbohydrates
 - c. Metalloid
 - d. Resin
10. Pests of domestic animal are?
 - a. Fleas
 - b. Lice
 - c. Bugs
 - d. Mosquitoes

Q.2 Short Answer Question (Attempt any ten)

10X2= 20

1. Describe skeleton of sponges
2. Draw Asconoid type of Canal system
3. Explain regeneration in Hydra.
4. Where is Fasciola found?
5. What is the mode of respiration in Fasciola?
6. How many testes are present in Hirudinaria?
7. What are the excretory organs in Prawns?
8. Which type of mouth parts are found in mosquitoes?
9. Describe fumigants.
10. Make a list of silk worms.
11. Write about value of Honey.
12. Write the importance of Lingha pearl.

- Q.3 A. Write a note on Nematocysts
B. Describe osmoregulation in Hydra

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OR

- A. Describe syconoid canal system.
B. Describe locomotion by pseudopodia

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- Q.4 A. Describe external morphology of Liverfluke
B. Describe Nervous system of Liver fluke

05

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OR

- A. Describe digestive system of Leech.
B. Describe parasitic adaption of Leech.

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- Q.5 A. Describe digestive system of Prawn
B. Describe female reproductive system of Prawn

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OR

- A. Describe any two types of mouth parts of insects
B. Write about house hold insects

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- Q.6 A. Describe different branches of toxicology
B. Write about pesticides.

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OR

- A. Write the different methods of lac cultures.
B. Write about pearl culture.

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