



SEAT No. \_\_\_\_\_

[48]

No. of Printed Pages: 2

Sardar Patel University

B.Sc Semester Third examination 2022

Invertebrates, Economic Zoology & Toxicology

US03CZOO – 21

Date & Day: 15/11/22, ~~Tuesday~~ Thursday

Time: 10 to 1:00 pm

Full Marks: 70

**Q.1 Multiple choice questions:**

**10**

1. Simplest type of canal system is :
  - a. Sycon type
  - b. Ascon type
  - c. Diploid type
  - d. Euryphylous type
2. Polymorphism occurs in:
  - a. Termites
  - b. Certain ants
  - c. Certain snails
  - d. Coelenterates
3. The cell of Hydra that has poisonous fluid Hypnotoxin is
  - a. Cnidoblast
  - b. Interstitial cells
  - c. Glandulo Muscular cells
  - d. None of these
4. Which is the first stage of larva of Fasciola ?
  - a. Miracidium
  - b. Sporocysts
  - c. Redia
  - d. Cercaria
5. For attachment fasciola has:
  - a. Four suckers and hooks
  - b. Two Suckers
  - c. Two suckers & hooks
  - d. Hooks only
6. In Hirudinaria there is no special organs for:
  - a. Digestion
  - b. Excretion
  - c. Respiration
  - d. Reproduction
7. The type of mouth parts in bed bug is
  - a. Piercing and sucking
  - b. Biting and chewing
  - c. Biting
  - d. Sponging
8. Statocyst is present within
  - a. Antennule
  - b. Antenna
  - c. Mandibles
  - d. Maxilla
9. Lac is produced as:
  - a. Secretion from body
  - b. Excretion from body
  - c. Excess fluid oozing out of body
  - d. Faeces of lac insect
10. Bee – venom is used in the treatment of
  - a. Arthritis
  - b. Malaria
  - c. Myopia
  - d. Cholera

Q.2 Short question with answer (Attempt any ten)	10X2=20
1. Write the function of pseudopodia	
2. Draw Ascon type of canal system	
3. Describe external morphology of Hydra	
4. Mention parasite adaptation of Liver fluke	
5. How a leech sucks the blood?	
6. Describe salivary gland of Leech.	
7. Classify Prawn	
8. What is the function of statocyst in Prawn ?	
9. What do you mean by chaet leg ?	
10. Make a list of fertilizer.	
11. Write the importance of Honey.	
12. Write about chemical composition of Pearl.	
Q.3 A. Describe asexual reproduction in Porifera.	05
B. Describe flagellar movement in protozoa	05
OR	
A. Describe nutrition in Hydra	07
B. Describe immortality in Hydra	03
Q.4 A. Write about Liver rot in Sheep	05
B. Describe habit and habitat of Liverfluke.	05
OR	
A. Describe digestive system in Leech	05
B. Describe external morphology of Leech.	05
Q.5 A. Describe cephalic appendages of Prawn.	05
B. Draw nervous system of Prawn	05
OR	
A. Describe methods of insects control	05
B. Describe house hold insects	05
Q.6 A. Describe social life of Honey Bee	05
B. Write about Pearl	05
OR	
A. Write a note on pesticides	05
B. Describe heavy metals.	05

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