

[60/A-18]

Seat No : _____

No. of Printed Pages : 02

Sardar Patel University
B. Sc. Semester III Examination 2019
Invertebrata and Vertebrata
US03CZOO01

27th November, 2019, Wednesday
2:00 pm to 5:00 pm

Total Marks: 70

QI Multiple Choice Questions.

[10]

1. Larva of Obelia is known as
 - a. Amphiblastula
 - b. Planula
 - c. Schyphistoma
 - d. Parenchyma
2. Sexual reproduction takes place by _____ in protozoa.
 - a. Binnary fission
 - b. Multiple fission
 - c. Conjugation
 - d. None
3. Cilia in Paramoecium arise from _____.
 - a. Basal granules
 - b. Pellicle
 - c. Cytopharynx
 - d. Trichocytes
4. The name of the free swimming and tailed larva of liver fluke is _____.
 - a. Metacercaria
 - b. Miracidium
 - c. Cercaria
 - d. Redia
5. Asexual part of heteronereis is known as _____.
 - a. Atoke region
 - b. Epitoke region
 - c. Both (a) and (b)
 - d. None of these
6. The tail of Scoliodon is
 - a. Homocercal
 - b. Heterocercal
 - c. Hypocercal
 - d. Hypercercal
7. Flesh of tropical fish _____ is poisonous.
 - a. Labeo
 - b. Notopterus
 - c. Catla
 - d. Tetradon
8. The semi digested acidic food in stomach is known as _____.
 - a. Bolus
 - b. Chyme
 - c. Bile
 - d. Chyle
9. _____ is not an intestinal hormone in frog.
 - a. Enterogastrone
 - b. Cholecystokinin
 - c. Secretin
 - d. Gastrin
10. The third eye lid in frog is called _____.
 - a. Pineal eye
 - b. Nictitating membrane
 - c. Lower eyelid
 - d. Upper eyelid

(1)

[P.T.O]

Q - II Answer the following in short. (Attempt any Ten)

[20]

1. What is leucon type of canal system in Porifera?
2. Define polymorphism in Obelia.
3. Enlist the types of locomotion in protozoa.
4. What is epitoky in Nereis?
5. Give the significance of metecercaria larva in liver fluke.
6. Mention the functions of parapodia in Nereis.
7. Give the uses of fish oil.
8. Draw a neat and labeled diagram of placoid scales.
9. Classify scoliodon.
10. What is hibernation in frog?
11. Write about cutaneous respiration in frog.
12. What is sexual dimorphism in frog?

- QIII** a. Describe the sexual reproduction in protozoa.
b. Explain canal system in Sycon.

[06]

[04]

OR

- QIII** a. Write a note on ciliary locomotion in protozoa.
b. Write a note on medusa in Obelia.

[05]

[05]

- QIV** Write notes on: a) Trochophore larva of Nereis
b) Redia larva of liver fluke

[05]

[05]

OR

- QIV** a. Describe the external characters of Nereis.
b. Describe the excretory system of liver fluke.

[05]

[05]

- QV** a. Describe the female urinogenital system in scoliodon.
b. Write a short note on Ampulla of Lorenzini.

[07]

[03]

OR

- QV** a. Describe the structure of heart of shark with diagram.
b. Give the economic importance of fishes.

[05]

[05]

- QVI** Describe the digestive system of frog with diagram.

[10]

OR

- QVI** Explain the urinogenital system in frog.

[10]

