

SEAT No. _____

No. of Printed Pages : 02

[75]

Sardar Patel University
B.Sc semester third examination, 2020 (NC)
Zoology, US03CZ0001
Invertebrate and vertebrate

Day: Wednesday

Time: 2 to 4 pm

Date: 6-1-2021

Marks: 70

10

Q.1. Multiple choice questions.

- i. The locomotory organ in Paramecium is?
(a) Pseudopodia (b) Cilia
(c) Parapodia (d) Plagella
- ii. The exit pore of Sycon is?
(a) Ostia (b) Osculum
(c) Prosopyle (d) Spongocoel
- iii. Larva of Obelia is known as?
(a) Amphiblastula (b) Planula
(c) Scyphistoma (d) Parenchymula
- iv. Parapodia of Nereis help in?
(a) Locomotion (b) Digestion
(c) Reproduction (d) None
- v. Larva of Fasciola that bores into snail is?
(a) cercaria (b) hexacanth
(c) Miracidium (d) Redia
- vi. Fasciola hepatica is a parasite that lives in ?
(a) Sheep intestine (b) Sheep liver
(c) Sheep spleen (d) Sheep pancreases
- vii. Liver in dogfish is ?
(a) Single lobed (b) Bilobed
(c) Trilobed (d) Four lobed
- viii. Scoliodon body is covered by?
(a) Placoid scale (b) ctenoid scale
(c) Dermal scale (d) cycloid scale
- ix. During which period frog shows aestivation?
(a) Autumn (b) Spring
(c) Winter (d) Summer
- x. Salivary gland in frog is?
(a) 1 pair (b) 2 pairs
(c) 3 pairs (d) Absent

Q2. Fill in the blanks

08

- i. Obelia is a.....
- ii. Liver rot in sheep is due to.....
- iii. Tail in Scoliodon is.....
- iv. Frog is a

Write true or false

- v. Sycon is known as glass rope sponge?
- vi. Fasciola is a endoparasite?
- vii. Body of scoliodon is covered by placoid scales?
- viii. Teeth in frog are meant to prevent the prey from slipping out?

Q3. Short answer questions. write any ten.

20

- i. Describe Ascon type of canal system.
- ii. Describe the mode of nutrition in Sycon.
- iii. What is mesogloea?
- iv. Where is Fasciola found?
- v. What are flame cells?
- vi. Classify Nereis.
- vii. Give the usage of fish oil.
- viii. Enlist the sense organs found in scoliodon.
- ix. Sketch and label placoid scale.
- x. Sketch and label frog.
- xi. Define hibernation.
- xii. Describe buccal digestion in frog.

Q4: Long answer. (write any four.)

8x4=32

- i. Describe various types of zooids found in Obelia colony.
- ii. Describe structure of body wall in Sycon.
- iii. Describe the external morphology of liver fluke.
- iv. Describe digestive system of Nereis.
- v. Describe economic importance of fish.
- Vi Describe the digestive system of shark.
- vii. Describe metamorphosis in frog.
- viii. Describe the various types of respiration in frog.

-----X-----