

198

SEAT No. _____



No. of Printed Pages : 02

Sardar Patel University
T.Y., B.Sc. 5 th . Semester examination
Zoology, US05CZOO21
Invertebrate

Date 23.11.21(Tuesday) Time -3 to 5pm

Marks :70
10

Q.1. Multiple choice questions:

i. Which one is a species?

(a) Carnivora

(c) *Canis familiaris*

(b) Canis

(d) Mammalia

ii. In which character vertebrates differ from invertebrates?

(a) Coelom

(c) Dorsal tubular nerve

(b) Tail

(d) Brain cord

iii. Which controls the vegetative functions?

(a) Micronucleus

(c) Both

(b) Macronucleus

(d) None

iv. The sense organ in Aurelia is called as?

(a) Nematocyst

(c) Taster

(b) Tentaculocyst

(d) Tentilla

v. Reef building corals require warm water above?

(a) 10 degree Centigrade

(c) 40 degree Celsius

(b) 20 degree Celsius

(d) 100 degree Celsius

vi. Schistosomiasis is caused by?

(a) Pin worm

(c) Guinea worm

(b) Blood fluke

(d) Ancylostoma

vii. Trochophore larva occurs in the life cycle of?

(a) Hirudinaria

(c) Pheritima

(b) Nereis

(d) All

viii. Pineal satae are present in?

(a) Earthworm

(c) Taenia

(b) Ascaris

(d) None

ix. Protective device of Sepia is?

(a) Ink secreted from ink gland

(c) Smoke screen

(b) Melanin pigment

(d) Brown fluid

x. Stone cell connects the?

(a) Ring canal and polian vesicle

(c) Madreporite & ring canal

(b) Ring canal & radial canal

(d) All of these



1

(P.T.O.)

Q2. Fill in the blanks. State true or False(T/F)

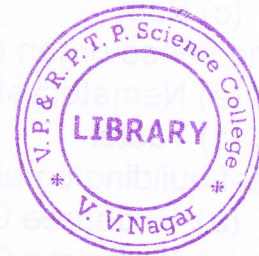
8x1=8

- i. The entire body of Paramecium is covered by
- ii. Common name of *Dracunculus medienis* is.....
- iii. Scorpions are.....
- iv. Sepia is commonly known as.....
- v. Paramecium feeds on holozoic mode. (T/F)
- vi. Aurelia is carnivorous .(T/F)
- vii. Caudal end of all male round worm is curved .(T/F)
- viii. Sea star has great power of regeneration .(T/F)

Q.3. Short answer question Attempt any ten.)

10x2=20

- i. Who coined binomial nomenclature?
- ii. Write a brief note on binary fission in Paramecium.
- iii. What is cytogamy?
- iv. Describe respiration and excretion in Aurelia.
- v. Describe in short the life cycle of Guinea worm.
- vi. What is meant by a parasite?
- vii. Write the habit and habitat of Scorpion.
- viii. Draw male and female Ascaris.
- ix. Which is the infective stage of Ascaris for man.
- x. Enlist the larval stages of Sea star.
- xi. Name the locomotory organs of Sea star.
- xii. Draw Sepia showing external morphology.



Q.4. Long answer questions. Write any four.

4x8=32

- i. Describe nutrition in Paramecium.
- ii. Describe locomotion in Paramecium.
- iii. Write an essay on coral and coral reef.
- iv. Write a note on Pin worm.
- v. Write a note on trochophore larva and its significance.
- vi. Give an account of external features of Scorpion.
- vii. Describe reproductive system of sea star.
- viii. Describe water vascular system in sea star.

X
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