

A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE

(AUTONOMOUS) (Grant-in-Aid)

Affiliated to Sardar Patel University

VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 1) External Examination - 2024

Subject Code: USO1MAZOO01

Subject Name: ANIMAL DIVERSITY AND PHYSIOLOGY-I

Date: 19/11/2024 Tuesday

Time: 11:00 AM to 01:30 PM (2.5 hrs.)

Total Marks :50

NOTE: 1. Figure to the right indicates full marks of the questions.

2. Give your answers with necessary diagrams.

Q. 1. MCQ

(10)

1. Nematocysts are found in _____.
 (A) Porifera (B) Coelenterate
 (C) Platyhelminthes (D) Annelida
2. Longitudinal plane binary fission occurs in _____.
 (A) Paramecium (B) Euglena
 (C) Ceratium (D) All above
3. Which is used as fish bait?
 (A) Nereis (B) Pheretima (C) Arenicola (D) None of above
4. Respiratory organs in Arthropoda.
 (A) Trachea (B) Gills (C) Book lungs (D) All above
5. Social insect examples is _____.
 (A) Honeybee (B) Termite (C) Beetles (D) All above
6. _____ shells are used to manufacture button.
 (A) Gastropodan (B) Scaphopodan
 (C) A & B both (D) Non of above
7. The number of thoracic segments in Cockroach is _____.
 (A) 2 (B) 4 (C) 3 (D) 5
8. Which is the first enzyme to mix with food in the digestive tract of human.
 (A) Pepsin (B) Cellulase (C) Amylase (D) Trypsin



PTO.....

9. Where does the majority of nutrient absorption occurs in the digestive system ?

- (A) Mouth (B) Stomach
(C) Small intestine (D) Large Intestine

10. Gastroenteritis is also known as _____.

- (A) Stomach pain (B) Indigestion
(C) Stomach flu (D) Non of above

Q. 2. Describe

- (A) Life cycle of *Entamoeba histolytica*
(B) *Metacercaria* larva

OR

Q. 2. Describe Nutrition in Protozoa

(05)

(05)

(10)

Q. 3. Describe

- (A) General characters of phylum Mollusca.
(B) Draw only labeled diagram of Septal nephridium

(05)

(05)

OR

Q. 3. Describe Digestive system of Earth worm

(10)

Q. 4. Describe female reproductive system of Cockroach

(10)

OR

Q. 4. Describe water vascular system in Asteroidea.

(10)

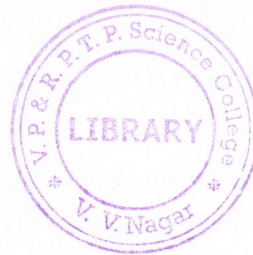
Q. 5. Describe digestion process occurs in small intestine.

(10)

OR

Q. 5. Describe function of Liver.

(10)



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