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SEAT No. _____

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SARDAR PATEL UNIVERSITY

ANNUAL EXAM-2019

T.Y.B.Sc (Zoology)US05CZOO.01

INVERTEBRATE

Date: 11.11.2019, Monday

V SEM

Marks: 70

Time:10 am -1.00 pm

Q1. Multiple choice questions

10

1. Which scientist made significant contribution in the field of animal classification?
a. Oparin
b. Linnaeus
c. Lamarck
d. Pasteur
2. How many food vacuoles are present in Paramecium?
a. One
b. Two
c. Four
d. Numerous
3. Skeleton of Demospongia.
a. Silicious
b. Calcareous
c. Spongin
d. Fibres
4. Most notable example of barrier reef is:
a. Florida keys
b. West Indies
c. Great barrier reef
d. None
5. Metridium belongs to order
a. Actiniaria
b. Zoanthidia
c. Madreporaria
d. Antipatharia
6. Ascaris is not:
a. Endoparasite
b. Monogenetic
c. Free living
d. Dioocious
7. Trochophore larva is present in the life history of?
a. Hirudinaria
b. Nereis
c. Pheritima
d. All
8. The excretory system of scorpion includes:
a. Malpighian tubules
b. Coxal gland
c. Hepatopancreas
d. All
9. Protective device of sepia is:
a. Ink secreted from ink gland
b. Melanin pigment
c. Smoke screen
d. Brown fluid
10. Stone canal connects the:
a. Ring canal and polian vesicle
b. Ring canal and radial canal
c. Madreporite and ring canal
d. None of these

(P.T.O.)

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Q2. Short answer type questions(Attempt any ten)

10 X 2=20

1. What is the main characteristic of Phylum Echniodermata? Write zoological names of four animals of this phylum.
2. Describe cyclosis.
3. What is holozoic nutrition? Give two examples from protozoa.
4. Mention five different types of spicules that occur in sponges. Write two points on each of them.
5. What do you understand by the term zoid?
6. Draw labelled diagram of Metridium.
7. Write habits and habitat of Ascaris.
8. What is the function of the coxal glands?
9. Write about cannibalism.
10. Which features of peripatus resemble with Arthropods?
11. Classify cuttle fish.
12. Describe the external features of star fish.

Long answer questions:

- Q3. A. Describe briefly Linnaeus system of classification. 07
B. What is animal taxonomy? 03
OR
- Q3. A. Write a note on pinocytosis. 05
B. Describe the structure of Paramecium. 05
- Q4. Give an account of reproduction in sponges. 10
OR
- Q4. Give a detailed account of polymorphism in Coelenterata. 10
- Q5. A. Which disease is caused by Ascaris? Write an account of its pathogenicity. 07
B. Write about pseudocoel of Ascaris. 03
OR
- Q5. A. Describe the alimentary canal of Scorpion. 07
B. Write about food and feeding mechanism of Scorpion. 03
- Q6. A. Write about any four crustacean larva studied by you. 06
B. Write about zoological importance of Peripatus. 04
OR
- Q6. A. Draw a labelled diagram of life cycle of star fish. 07
B. Write about regeneration in sea star. 03

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