

SEAT No. _____

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY,

[74]

T.Y.B.Sc.(FIFTH SEM.)(CBCS)EXAMINATION,

2020

Thursday, 24 December.

2:00 P.M. TO 4:00 P.M.

US05CZOO 21 - (invertebrate)

Total marks : 70

- Q-1 **CHOOSE CORRECT ANSWER.** [10]
- 1 Taxonomy deals with :
a. Classification b. Statistics c. Numbering d. None
 - 2 Contractile vacuole of Paramecium functions in :
a. Digestion b. Respiration c. Osmoregulation d. Locomotion
 - 3 Autogamy is _____ type of reproduction .
a. Asexual b. Sexual c. Parthenogenetic d. All of these.
 - 4 Reserve food in Jelly-fish stored in _____ cells.
a. Ectodermal b. Gastrodermal c. Mesodermal d. None
 - 5 The skeleton of solitary coral is called as :
a. Reefs b. Corallite c. Cortex d. Coralstone
 - 6 Filariasis relates with _____ mosquitoes :
a. Female culex. b. Male culex c. Male Aedes D. All of these.
 - 7 Which one is right Name ?
a. Ancylostoma bancrofti b. Wuchereria duodenali c. Ancylostoma duodenali d. Ancylostoma duodenali.
 - 8 Trochophore is the larva of :
a. Scorpion b. Star fish c. Clam worm d. Leech
 - 9 _____ is the larva of crustacean.
a. Trochophore b. Alima c. Bipinnaria d. Brachiolarva
 - 10 Shell of Sepia are called as :
a. Cuttle bone b. Sepibone c. Femor d. Denticle

- Q-2
- 1 Binomial nomenclature adopted by _____
 - 2 Scientific Name of Pin worm is _____
 - 3 Scorpion belongs to _____ class.
 - 4 Tiedman's bodies are also called as _____
 - 5 Neo taxonomy is the branch of Animal physiology .- TRUE or FALSE ?
 - 6 Flatworms are covered by calcareous shell – TRUE or FALSE ?
 - 7 Scorpion respire by means of Green glands.- TRUE or FALSE.
 - 8 Sepia are provided with ink gland. TRUE or FALSE ?

[08]

Q-3

ANSWER IN SHORT. (Any ten)

[20]

- 1 Write about types of classification.
- 2 Draw neat and labelled diagram of Paramoecium.
- 3 Write about Lagoon.
- 4 List parasitic adaptations of flatworms.
- 5 What are coral reefs/
- 6 Explain briefly annelidan Nephridia.
- 7 What is Pedicellariae ?
- 8 Write Economic importance of Sepia.
- 9 Define : Autogamy
- 10 Write about disease caused by Pin worm.
- 11 Clasify : Ascaris
- 12 Draw labelled diagram of Water vascular system of Star-fish.

Q-4

ATTEMPT ANY FOUR.

[32]

- 1 Describe conjugation in Paramoecium.
- 2 Describe ciliary movements in Paramoecium.
- 3 Write about Schistosoma Mansoni.
- 4 Explain life-cycle of Aurelia.
- 5 Explain : Male reproductive system of scorpion.
- 6 Write about Book- lungs.
- 7 Explain crustacean larvae.
- 8 External morphology of Star fish.

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