

Roll No.

Total Pages : 3

325102**Mar. 2022****B.Sc. (Life Sciences) - I SEMESTER
Zoology I : Animal Diversity (BLS-102)**

Time : 90 Minutes]

[Max. Marks : 25

Instructions :

1. *It is compulsory to answer all the questions (1 mark each) of Part-A in short.*
2. *Answer any three questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) What is the function of archaeocytes found in sponges? (1)
(b) Define diffuse type of nervous system. (1)
(c) What do you understand by cnidocytes? (1)
(d) Comment over alimentary canal of earthworm. (1)
(e) What are the scientific names of beef tapeworm and pork tapeworm? (1)
(f) Define solenoglyphous fangs found in snakes. (1)

- (g) What do you understand by paurometabolous development? (1)
- (h) Comment over echinopluteus larva of echinodermata. (1)
- (i) Define the term Paedomorphosis. (1)
- (j) Distinguish between horns and antlers. (1)

PART-B

2. (a) Discuss the life cycle of Plasmodium in brief. (3)
- (b) Elucidate various types of canal system found in sponges. (2)
3. (a) Write the characteristic features of cnidarian class hydrozoa. (2)
- (b) Describe osmoregulation process in fresh and marine water fishes. (3)
4. Explain in detail the characteristic features of reptiles that distinguish them from amphibians. (5)
5. (a) Elucidate hormonal control of insect metamorphosis. (3)
- (b) Write the characteristic features of annelida class Polychaeta. (2)

6. (a) Comment over retrogressive metamorphosis found in urochordates. (2)
- (b) With the help of diagram discuss various components of ambulacral system. (3)
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