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**Reg. No. :** .....

**Code No. : 10923 E      Sub. Code : AMZO 11**

B.Sc. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2020.

First Semester

Zoology – Main

ANIMAL DIVERSITY – I INVERTEBRATA

(For those who joined in July 2020 onwards)

Time : Three hours

Maximum : 75 marks

PART A — ( $10 \times 1 = 10$  marks)

Answer ALL questions.

Choose the correct answer.

1. Entamoeba is ————— parasite.
  - (a) Monogenic
  - (b) Digenic
  - (c) Polygenic
  - (d) Trigenic

2. On which basis Phylum Porifera is classified?
- (a) Locomotory organ
  - (b) Parenchyma
  - (c) Reproduction
  - (d) Spicules
3. Function of Poly P is \_\_\_\_\_.
- (a) reproduction
  - (b) respiration
  - (c) excretion
  - (d) none
4. One of the following is hermaphrodite organism
- (a) Liver fluke                      (b) Ascaris
  - (c) Filaria                              (d) None
5. Annuli are present in the body of which organism?
- (a) Starfish                              (b) Leech
  - (c) Nereis                                (d) Ascaris
6. The intermediate host of Guinea worm is \_\_\_\_\_.
- (a) Daphnia                              (b) Mosquito
  - (c) Cyclops                               (d) House fly

7. In *Penaeus* how many number of paired cephalic appendages are present?

(a) 5 (b) 6

(c) 7 (d) 8

8. The pest of coconut is \_\_\_\_\_

(a) *Leptocorisa acuta*

(b) Oryctes Rhinoceros

(c) Pericalia

(d) Locust

9. Radula is an organ associated with the digestive system of \_\_\_\_\_.

(a) Sepia

(b) Cockroach

(c) Star fish

(d) Pila

10. Among the following \_\_\_\_\_ belongs to Phylum Echinodermata.

(a) Silver Fish

(b) Star Fish

(c) Sepia

(d) Jelly fish

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write the general characters of Phylum protozoa.

Or

- (b) What is meant by Binomial nomenclature? Explain with example.

12. (a) List the characteristic features of Phylum Coelenterata.

Or

- (b) Write any two larval forms of Liver fluke.

13. (a) Explain the life cycle of *Wuchereria bancrofti*.

Or

- (b) Write a note on the pathogenesis and control measures of guinea worm.

14. (a) Give an account on the structure of compound eye of *Penaeus*.

Or

- (b) Write the life cycle of Silkworm moth.

15. (a) Classify molluscs with examples.

Or

- (b) Write a brief note on the external morphology of Star fish.

PART C — ( $5 \times 8 = 40$  marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe the methods of reproduction in *Paramecium*.

Or

- (b) Explain in detail about the life cycle, pathogenesis and control measures of *Entamoeba histolytica*.

17. (a) Write an essay on the types of coral and their formation.

Or

- (b) Explain the life history of *Obelia*.

18. (a) Write in detail about the life cycle, pathogenesis and control measures of *Ascaris*.

Or

- (b) What is Metamerism? Explain the types and their significance.

19. (a) Explain the external morphology, economic importance and control measures of *Oryctes rhinoceros*.

Or

- (b) Describe in detail about the economic importance of silkworm.

20. (a) Explain in detail the steps involved in Pearl Oyster culture.

Or

- (b) Write an essay on larval forms of Echinodermata.