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SUBJECT CODE NO: - CB-2341
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y. (Sem-I)
Examination December/January-2022-23

Zoology Paper-I ZOO-011 Animal Diversity Protozoa to Echinodermata

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) All questions carry equal marks.
- 3) Draw neat diagrams and give labels wherever necessary.

Q1 Give an account of general characters and classification of Amoeba.

10

OR

Explain in brief:

- a) Polyp
- b) Parasitic adaptation in Taenia Solium

Q2 Describe in detail life history of Ascaris lumbricoides

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OR

Explain in brief:

- a) Crustacea
- b) Compound eye in Arthropoda

Q3 Write short notes on (any two)

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- 1) Ascanoid type of canal system
- 2) Dimorphic pattern of polymorphism in coelenterates
- 3) Metamerism in Annelida
- 4) Tube feet

Q4 Select and write correct answer from the given alternatives in each sub question.

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- 1) Locomotory organelle in Euglena is
 - a) Cilia
 - b) Flagellum
 - c) Pseudopodia
 - d) None of these

- 2) Body wall of sponges are
 - a) Acellular
 - b) Diploblastic
 - c) Triploblastic
 - d) None of these

- 3) Nematocysts take part in
 - a) Locomotion
 - b) Offence and defence
 - c) Food capture
 - d) All of these

- 4) Free living Platyhelminthes form belongs to the class
 - a) Turbellaria
 - b) Trematode
 - c) Cestoda
 - d) Nematode

- 5) Life cycle of Ascaris is
 - a) Monogenetic
 - b) Digenetic
 - c) With no definite host
 - d) None of these

- 6) Annelids are characterized by
- a) Segmentation
 - b) Closed circulatory system
 - c) Ventral nerve cord
 - d) Pseudocoelom
- 7) Compound eyes in arthropods forms apposition image
- a) In bright light
 - b) In dim light
 - c) Both a and b
 - d) None of these
- 8) Which one of the following Mollusc is formed by a larva which have torsion
- a) Lamelledens
 - b) Sepia
 - c) Pila
 - d) Octopus
- 9) Madreporite is associated with
- a) Nervous system
 - b) Digestive system
 - c) Ambulacral system
 - d) All of these
- 10) The function of dactylozoid is
- a) Defence
 - b) Obtaining food
 - c) Both a and b
 - d) None of these