

2021
ZOOLOGY

(Honors)

Paper: ZOO-HC-1016

(Non-Chordates I: Protists to Pseudocoelomates)

(Theory)

The figures in the margin indicates full marks for the questions

Time:

Full Marks: 30

1. Choose the correct answer

1x4=4

a) Porifera has the following level of organization

- (i) Cellular (ii) Tissue
(iii) Organ (iv) Organ system

b) Which of the following canal system does the larval system of Porifera consists?

- (i) Ascon (ii) Rhagon
(iii) Sycon (iv) Leucon

c) Polymorphism is common in which class of Cnidaria-

- (i) Scyphozoa (ii) Hydrozoa

- (iii) Anthozoa (iv) Hexactinellida

d) The malignant tertian malaria is caused by-

- (i) *Plasmodium malaria* (ii) *Plasmodium ovale*
(iii) *Plasmodium vivax* (iv) *Plasmodium falciparum*

2. Match the following

1x4=4

- a) Obelia (i) Pseudocoelomate
b) Cnidaria (ii) Canal system
c) Sponges (iii) Medusa
d) Nematodes (iv) Polymorphism

3. Write short note (Any three)

3x3=9

- a) Spicules in sponges
b) Evolutionary significance of Ctenophora
c) Polyp and Medusa
d) Life cycle of *Fasciola hepatica*

4. Describe parasitic adaptation in helminthes

5

Or

Write the general characteristics of ctenophore

5

5. What is metagenesis? Explain the process of metagenesis in

Obelia.

1+7=8

Or

What are the different types of coral reefs? Explain the formation of coral reefs

3+5=8