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**Y—117—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (First Year) (First Semester) (Backlog) EXAMINATION**

**NOVEMBER/DECEMBER, 2019**

**ZOOLOGY**

**Paper I (CCZ-I)**

**(Life and Diversity of Animals-I [Non-Chordata])**

**(MCQ & Theory)**

**(Saturday, 21-12-2019)**

**Time : 10.00 a.m. to 12.00 noon**

**Time—2 Hours**

**Maximum Marks—40**

- N.B. :—**
- (i) Attempt *all* questions.
  - (ii) *All* questions carry equal marks.
  - (iii) Use separate OMR answer-sheet for Question No. 1.
  - (iv) One mark for each correctly answered multiple choice question (MCQ).
  - (v) Negative marking system for wrong answer of MCQ is applicable.
  - (vi) Use black ballpoint pen to darken the circle of correct choice of answer of MCQ in OMR answer-sheet.
  - (vii) Darken only one circle for the answer of each MCQ.
  - (viii) Illustrate your answers with suitable labelled diagrams, wherever necessary.

**MCQ**

1. Mark the option for correct answer of each of the following MCQs in OMR answer-sheet : 10

- (i) Which stage of plasmodium vivax is infective for mosquito ?
- |                |                 |
|----------------|-----------------|
| (a) Merozoites | (b) Gametocytes |
| (c) Ookinite   | (d) Sporozoite  |

**P.T.O.**

- (ii) Classification of sponges is based on.....
- (a) Locomotory organ (b) Skeleton  
(c) Sizes (d) Number of Ostia
- (iii) Which zooids is generally called as asexual type
- (a) Polyp (b) Medusa  
(c) Both (a) and (b) (d) None of these
- (iv) Intermediate host of Taeniasolium is :
- (a) Sheep (b) Pig  
(c) Man (d) Snail
- (v) Which stage of Ascaris is infective to man ?
- (a) Embryonated egg (b) Rhabditiform larva  
(c) Adult Ascaris (d) Third stage of larva
- (vi) The Excretory Unit of Annelida are :
- (a) Uriniferous Tubule (b) Flame Cells  
(c) Nephridia (d) Rectal gland
- (vii) The Phylum Arthropoda is characterized by :
- (a) Unjointed appendages (b) Jointed appendages  
(c) Undeveloped appendages (d) Presence of flame cells
- (viii) The locomotory organ of echinodermata are called :
- (a) parapodia (b) pseudopodia  
(c) tube feet (d) setae
- (ix) Larva of Hemichordata is :
- (a) Tornaria (b) Glochidium  
(c) Bipinmaria (d) Napulius
- (x) Respiratory organs in Arthropoda are :
- (a) Gills (b) Trachea  
(c) Book lungs (d) All of these

**Theory**

2. Describe the asexual life cycle of plasmodium vivax. 10

*Or*

Write notes on :

- (a) General morphology of sycon
- (b) Economic importance of mollusca

3. Describe the general characters of coelenterata with suitable example. 10

*Or*

Write notes on :

- (a) Structure of Taeniasolium
- (b) Water vascular system

4. Describe the digestive system of cockroach.

*Or*

Write notes on :

- (a) External morphology of cockroach
- (b) Affinities of hemichordata

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