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BF—95—2016

FACULTY OF SCIENCE

B.Sc. (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

ZOOLOGY

Paper I

[Life and Diversity of Animal : I (Non-Chordata)]

(MCQ + Theory)

(Monday, 24-10-2016)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. :—*
- (i) Attempt *All* questions.
 - (ii) Use separate (OMR) answer-sheet for MCQ Question No. 1.
 - (iii) *One* mark to each correct answer of an MCQ.
 - (iv) Negative marking system is applicable.
 - (v) Use black ball point pen to darken the circle of correct choice in OMR answer-sheet.
 - (vi) Draw well labelled diagrams wherever necessary for Question Nos. 2, 3 and 4.

MCQ

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1 Select the *correct* answer for each of the following MCQs :

(i) Digestion in Protozoa is :

(A) Intercellular

(B) Intracellular

(C) Extracellular

(D) All of these

(ii) Body organization in sponges is :

(A) Protoplasmic grade

(B) Tissue grade

(C) Cellular grade

(D) Organ grade

(iii) Nematocysts are found in :

(A) Porifera

(B) Platyhelminthes

(C) Coelenterata

(D) Annelida

P.T.O.

- (iv) Digestive system is altogether absent in :
(A) Turbellaria (B) Trematoda
(C) Cestoda (D) None of these
- (v) Ascaris is a parasite found in the :
(A) Stomach (B) Vermiform appendix
(C) Small intestine (D) Large intestine
- (vi) Which one of these is the primary characteristic of phylum Annelida ?
(A) Trochophore larva in life cycle
(B) Metameric segmentation
(C) Excretion by flame cells
(D) Body covered by ciliated epidermis
- (vii) Body cavity of Arthropod is :
(A) Coelom (B) Haemocoel
(C) Spongocoel (D) Pseudocoel
- (viii) The foot of Mollusca is used for :
(A) Burrowing (B) Swimming
(C) Creeping (D) All of these
- (ix) Ambulacral system contains :
(A) Blood (B) Coelomic fluid
(C) Mucus (D) Water
- (x) Hemichordate are :
(A) Acoelomate (B) Pseudocoelomate
(C) Coelomate (D) None of these

Theory

2. Describe Asexual life cycle of Plasmodium vivax in man and its control measures. 10

Or

Write notes on :

- (a) Economic importance of Porifera
(b) General characters of Hemichordata.

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(3)

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3. Describe the general characters of Coelenterata. 10

Or

Write notes on :

(a) Structure of *Taenia solium*

(b) Morphology of star fish.

4. Describe the digestive system of cockroach. 10

Or

Write notes on :

(a) Role of earthworm in agriculture

(b) Gastropoda.

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