

This question paper contains 3 printed pages]

BF—96—2016

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2016

(Old Course)

ZOOLOGY

Paper I

[Life and Diversity of Animals : 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) One mark to each correct answer of an MCQ.

(iii) Negative marking system is applicable.

(iv) Use black ball point pen to darken the circle of correct choice in OMR answer-sheet.

(v) Darken only one circle for the answer of an MCQ.

(vi) Draw a well labelled diagrams wherever necessary.

(vii) Use separate answer-sheet (OMR) for Question No. 1.

MCQ

10

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

(i) The intermediate host of malarial parasite is :

(A) Man

(B) Female culex

(C) Male anopheles

(D) Female anopheles

(ii) The sponges can be distinguished from other animals by the presence of :

(A) Coelenteron

(B) Choanocytes

(C) Dermal papillae

(D) Nematocysts

P.T.O.

- (iii) Medusa is :
- (A) Nutritive zooid (B) Sexual zooid
(C) Asexual zooid (D) Gastro zooid
- (iv) Platyhelminthes are best described as :
- (A) Flatworms, diploblastic, acoelomates
(B) Flatworms, triploblastic, coelomates
(C) Flatworms, triploblastic, pseudocoelomates
(D) Flatworms, triploblastic, acoelomates
- (v) Numerous setae are present in the animals of which class ?
- (A) Polychaeta (B) Oligochaeta
(C) Archiannelida (D) Hirudinea
- (vi) In insects, how many pairs of legs are there ?
- (A) Five (B) Four
(C) Three (D) Two
- (vii) Importance of crop in cockroach :
- (A) Digestion of food (B) Storage of food
(C) Absorption of food (D) Crushing of food
- (viii) Soft body enclosed in a hard calcareous shell is found in :
- (A) Echinodermata (B) Arthropoda
(C) Mollusca (D) Annelida
- (ix) Pedicellariae are the characteristic features of :
- (A) Sycon (B) Taenia
(C) Ascaris (D) Starfish
- (x) Larva of hemichordata is :
- (A) Nauplius (B) Plannula
(C) Tornaria (D) Bipinnaria

Theory

2. Describe the general characters of phylum-protozoa with suitable examples.10

Or

Write notes on :

- (a) Control measures of malaria
- (b) Economic importance of mollusca.

3. Describe life cycle of *Ascaris lumbricoides*. 10

Or

Write notes on :

- (a) Structure of *Taenia solium*
- (b) Asteroidea

4. Describe external morphology of cockroach. 10

Or

- (a) Role of earthworm in agriculture
- (b) General characters of hemichordata.