

This question paper contains 3 printed pages]

AO—88—2018

FACULTY OF SCIENCE

B.Sc. (First Semester) EXAMINATION

MARCH/APRIL, 2018

(CBCS/CGPA)

ZOOLOGY

Paper I

(Life and Diversity of Animal)

(Non-Chordata)

(MCQ + Theory)

(Monday, 2-4-2018)

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

1. Select the *correct* answer for each of the following MCQs : 10

(1) Which stage of Plasmodium vivax is infective for mosquito ?

(A) Merozoites (B) Gametocytes

(C) Ookinete (D) Sporozoite

(2) Which of the following is a fresh water sponge ?

(A) Spongilla (B) Euspongia

(C) Euplectella (D) Sycon

P.T.O.

- (3) Which zooid is generally motile ?
(A) Polyp (B) Medusa
(C) Both (A) and (B) (D) None of these
- (4) Which is the secondary host of *Taenia solium* ?
(A) Human being (B) Snail
(C) Pig (D) Dog
- (5) *Ascaris* is more commonly found in :
(A) Men (B) Women
(C) Both (A) and (B) (D) Children
- (6) The excretory units of Annelida are :
(A) Uriniferous tubules (B) Flame cells
(C) Nephridia (D) Nephrostomes
- (7) Which one is biggest phylum in regard to the number of species ?
(A) Protozoa (B) Platyhelminthes
(C) Arthropoda (D) Mollusca
- (8) Head, foot and visceral mass this combination of characters is diagnostic of :
(A) Echinodermata (B) Mollusca
(C) Chordata (D) Arthropoda
- (9) Which one of the following is *not* applicable for Echinodermata :
(A) Madreporite (B) Marine
(C) Podia (D) Bilateral Symmetry
- (10) Body of Hemichordata is divided into :
(A) Proboscis, Collar and Trunk
(B) Proboscis, Trunk and Tail
(C) Head, Collar and Trunk
(D) Head, Neck and Abdomen

Theory

2. Describe the life cycle of plasmodium vivax in man and add note on symptoms of Malaria. 10

Or

Write notes on :

- (a) Sporozoa
(b) General Characters of Hemichordata.
3. Describe the general characters of coelenterata with suitable example. 10

Or

- (a) Cestoda
(b) Oral surface of starfish.
4. Describe respiratory system of cockroach. 10

Or

- (a) Polychaeta
(b) Economic importance of Mollusca.