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R—95—2017

FACULTY OF SCIENCE

B.Sc. (First Semester) EXAMINATION

MARCH/APRIL, 2017

(CBCS/CGPA Pattern)

ZOOLOGY

Paper I

(Life and Diversity of Animals–I) (Nonchordata)

(MCQ + Theory)

(Friday, 7-4-2017)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—10+30=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 wrong answer of MCQ.

(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 No. 2, 3 and 4.

MCQ

10

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

(1) Causative organism of malaria is :

(A) *Trypanosoma gambiense*

(B) *Entamoeba histolytica*

(C) *Leishmania donovani*

(D) *Plasmodium vivax*

(2) Classification of sponges is based on :

(A) Locomotory organs (B) Skeleton

(C) Size (D) Number of ostia

P.T.O.

- (3) Polymorphism occurs in :
- (A) Termites (B) Certain ants
(C) Certain snails (D) Coelenterates
- (4) Intermediate host of *Taenia solium* is :
- (A) Pig (B) Man
(C) Sheep (D) Snail
- (5) Infective stage of *Ascaris* for new host is :
- (A) I stage juvenile (B) Embryonated egg
(C) III stage juvenile (D) Larva after II moult
- (6) The animals bearing numerous setae are kept in class :
- (A) Hirudinea (B) Oligochaeta
(C) Polychaeta (D) Onychophora
- (7) Mouth parts of cockroach are :
- (A) Chewing and biting type
(B) Piercing and sucking type
(C) Chewing and sucking type
(D) Licking and chewing type
- (8) Head, foot and visceral mass, this combination of characters is diagnostic characteristics of :
- (A) Echinoderms (B) Arthropods
(C) Molluscs (D) Annelida
- (9) Characteristic features of Phylum Echinodermata is :
- (A) Haemal system (B) Water vascular system
(C) Canal system (D) Radial symmetry
- (10) Larva of Hemichordata is :
- (A) Tornaria (B) Glochidium
(C) Bipinnaria (D) Napulius

Theory

2. Mention the distinguishing features of phylum porifera with suitable examples. 10

Or

- (a) Class sporozoa
(b) Economic importance of mollusca.

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

Or

- (a) Medusa
(b) Class Asterozoa.

4. Describe the nervous system of cockroach. 10

Or

- (a) Class oligochaeta
(b) Affinities of Hemichordata with Annelida.