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**W—102—2018**

**FACULTY OF SCIENCE**

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

**OCTOBER/NOVEMBER, 2018**

**(CBCS/CGPA Pattern)**

**ZOOLOGY**

**Paper I**

**(Life and Diversing of Animals—I) (Non-chordata)**

**(MCQ & Theory)**

**(Tuesday, 23-10-2018)**

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

**Time—2 Hours**

**Maximum Marks—40**

**N.B. :— (i) Attempt All the questions.**

**(ii) Use separate (OMR) answer-sheet for MCQ Question No. 1.**

**(iii) One mark for 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**

**(i) Which stage of plasmodium vivax is infective for man ?**

**(a) Trophozoite**

**(b) Schizont**

**(c) Cryptozoites**

**(d) Sporozoites**

**(ii) Classification of sponges is based on :**

**(a) Locomotory organs**

**(b) Skeleton**

**(c) Size**

**(d) Number of ostia**

**P.T.O.**

- (iii) Nematocysts are found in :
- (a) Porifera (b) Platyhelminthes  
(c) Coelenterata (d) Annelida
- (iv) Cestodes have :
- (a) A scolex with suckers and hooks  
(b) Ribbon like body  
(c) Numerous proglottids  
(d) All of the above
- (v) How would you distinguish Male Ascaris from Female ?
- (a) By presence of suckers (b) Elongated Body  
(c) Curved tail with spicules (d) Bluntly ending tail
- (vi) Excretion by nephridia occurs in :
- (a) Porifera (b) Coelenterata  
(c) Annelids (d) None of these
- (vii) Male cockroach can be identified from female cockroach by the presence of :
- (a) Long antennae (b) Wingless body  
(c) Elongated Abdomen (d) Anal style
- (viii) Pearl is produced by :
- (a) Oyster (b) Nautilus  
(c) Doris (d) Chiton
- (ix) Water vascular system of starfish is called :
- (a) Ambulacral system (b) Pedicellaria  
(c) Papulae (d) Canal system
- (x) Hemichordates are :
- (a) Acoelomates (b) Coelomates  
(c) Pseudocoelomates (d) None of these

**Theory**

2. Describe different types of cells in sycon. 10

*Or*

Write notes on :

- (a) Distinguishing characters of protozoa  
(b) Affinities of Hemichordata with chordata.

3. Describe the general characters of phylum platyhelminthes with suitable example. 10

*Or*

Write notes on :

- (a) Polyps  
(b) Aboral surface of starfish.

4. Describe digestive system of cockroach. 10

*Or*

Write notes on :

- (a) Economic importance of insects  
(b) Class Echinoidea.