

**FACULTY OF SCIENCE**  
**B.Sc. I-Semester (CBCS) Examination, December 2016**

**Subject : Zoology**

**Paper – I : Animal Diversity – Invertebrates**

**Time : 3 Hours**

**Max. Marks: 80**

**Draw neat labeled diagrams wherever required.**

**PART – A (5 x 4 = 20 Marks)**  
**(Short Answer Type)**

**Note : Answer any FIVE of the following questions.**

- 1 Amoebiasis
- 2 Spicules in sponges
- 3 Alternation of generations
- 4 Parasite adaptations in Helminthes
- 5 Coelomoducts in Annelida
- 6 Affinities of peripatus
- 7 Radula in pila
- 8 Bipinnaria larva

**PART – B (4 x 15 = 60 Marks)**  
**(Essay Answer Type)**

**Note: Attempt ALL the questions.**

- 9 (a) Describe Life cycle of Plasmodium in Mosquito.  
**OR**  
(b) Write the general characters and classification of porifera upto classes with examples.
- 10 (a) Write an essay on polymorphism in Hydrozoa.  
**OR**  
(b) Describe the structure and life history of Dracunculus.
- 11 (a) Explain the reproductive system in *Hirudinaria*.  
**OR**  
(b) Describe the cephalic appendages of prawn.
- 12 (a) Explain the process of pearl formation in Mollusca.  
**OR**  
(b) Write the General characters and classification of Hemichordata.

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