

V.P. & R.P.T.P. SCIENCE COLLEGE

I-SEMESER, INTERNAL EXAM-2017



**BIOLOGY, US01CBIO01 ( Invertebrate, Hemichordata & Applied zoology)**

**DATE: 10-10-2017**

**TIME: 1:30pm to 2:30pm**

**DAY: TUESDAY**

**MARKS: 25**

**Q-1. MULTIPLE CHOICE QUESTIONS. (3)**

1. Elephantiasis is caused by  
(a) Plasmodium (b) Filarial worm (c) Tape worm (d) Trypanosoma
2. The exoskeleton of Cockroach is formed of  
(a) Cuticle (b) Cartilage (c) Chitin (d) All of these
3. During Pearl formation, nacre synthesis from the  
(a) Osphradium (b) Salivary gland (c) Shell (d) Mental epithelium

**Q-2. ANSWER IN SHORT (ANY TWO). (4)**

1. Write about the structure & function of spermatheca in Earthworm.
2. Explain the complete metamorphosis in Insects with example.
3. Draw & labeled the diagram of external characters of Balanoglossus.

**Q-3. Describe the Alimentary canal of Earthworm. (6)**

OR

**Q-3. Describe the excretory system of Earthworm. (6)**

**Q-4. Describe the circulatory system of Cockroach. (6)**

OR

**Q-4. Describe the female reproductive system of Cockroach. (6)**

**Q-5. Write a note on economic importance of Molluscan animals. (6)**

OR

**Q-5. Describe the water vascular system in Echinoderms. (6)**