

6. Give an account of :
- (a) Water vascular system in *Asterias*
- (b) Affinities of *Peripatus*. 3,3
7. Describe general characteristics of *Balanoglossus*; external characters and affinities. 6
8. Explain feeding and respiration in *Pila globosa*. 6

**SECTION—C**

9. Write short notes on the following :
- (i) Polymorphism
- (ii) Coral Reef
- (iii) Spicules in Sponges
- (iv) *Taenia solium*
- (v) Social life in Termite
- (vi) Detorsion
- (vii) Onychophora
- (viii) *Wuchereria bancrofti*. 8×2=16

Roll No. ....

Total No. of Pages : 2

**PC 11438-NH**

AS/2111

**NON CHORDATES—II**

**Semester—I**

Time Allowed : Three Hours]

[Maximum Marks : 40

**Note** :- Attempt *five* questions in all. Select *two* questions from Section A and *two* questions from Section B. Section C is compulsory. Draw diagrams wherever necessary.

**SECTION—A**

1. Discuss general characteristics and locomotion in *Euglena* and *Amoeba*. 3,3
2. Describe Conjugation in *Paramecium* with well labelled diagram. 6
3. Write an account on :
- (a) Canal system in sponges
- (b) Conservation of coral and coral reefs. 3,3
4. Describe life cycle and pathogenicity and control measures of *Fasciola hepatica*. 6

**SECTION—B**

5. Discuss terrestrial respiration in *Periplaneta*. Write about structure of tracheal system and mechanism of respiration. 6