

# UNIVERSITY OF CALCUTTA

## CITY COLLEGE CENTER

### DEPARTMENT OF ZOOLOGY

#### ZOOA, SEMESTER – 2 {Theory} Examination 2020 [CBCS Syllabus 2018]

#### Paper – CC2-3 TH

(Full Mark 25)

1. Answer **any four** questions from the following: 5×4
- (a) What is metamere?
  - (b) Name the different casts of Termites according to their socialism.
  - (c) Write the function of madreporite.
  - (d) What do you mean by Tiedmann's body?
  - (e) Differentiate between Protostomia and deuterostomia.
  - (f) Distinguish between True and Pseudo metamerism.
  - (g) What is coelom?
  - (h) Mention the excretory organs found in the Phylum Arthropoda.
2. Answer **any one** from the following: 5×1
- (a) State the systematic position (up to class) of **any two** of the following, and justify your answer by writing at least two diagnostic characters of each taxon: 2½+2½  
Sea urchin, *Limulus* sp., Sea cucumber, *Periplaneta* sp.
  - (b) Mention the key parts present in the oral region of *Peripatus* with simple diagram. Briefly discuss the enterocoely theory. (2+1)+2
  - (c) Mention two important functions of coelom. Add a short note on Evolutionary significance of Onychophora. 2+3