

Kishore Bharati Bhagini Nivedita College (Co-Ed.)
(Affiliated to the University of Calcutta)

2020

ZOOLOGY – HONOURS

Paper : CC-3 [Non-Chordate-II (Coelomate Phyla)]

Full Marks : 50

Time : 2 Hrs.

The figures in the margin indicates full marks.

Candidates are required to give their answers in their own words as far as practicable.

Send PDF of the Answer Script to **kbbnczoology@gmail.com**

Answer any **twenty five (25)** questions from the following: 2×25

1. What is coelomic fluid? State its function.
2. Write differences between Pseudocoelom and Eucoelom.
3. What is clitellum? State its function.
4. What are parapodia and setae?
5. What is nephrostome? State its function.
6. What is ecdysis?
7. What is green gland? Why is it so called?
8. Name two insects that may reproduce by parthenogenesis.
9. Mention two salient features of class Insecta.
10. What is eusociality?
11. State the occurrence and function of Malpighian tubules.
12. Differentiate between Hemimetabolous and Holometabolous metamorphosis.
13. What is ommatidium? State its function.
14. What are spiracles? State their function.
15. Name the hormone which secretes from Corpora Allata? State the functions of the secreted hormone.
16. What is termitarium?
17. Define chiasmoneury.
18. What is monopectinate ctenidium? Where it is found?
19. Differentiate between connective and commissure.

20. Write the function of tube feet in water vascular system of echinodermata.
21. Mention two characteristic features of Echinoderm larvae.
22. Write the taxonomic position of *Holothuria* sp.
23. State the location and function of madreporite in *Asterias* sp.
24. What is siphonoglyph? In which animal does it occur?
25. Draw the digestive system of *Pila* sp.
26. Differentiate between Podobranch and Pleurobranch.
27. What is Byssus thread?
28. What is detorsion? Where does it occur?
29. Write two affinities of echinodermata with chordata.
30. Write two salient features of class Holothuroidea.
31. Write the functions of radula.
32. Give examples of Monoplacophora and Polyplacophora animals.
33. Name the structures of water vascular system in starfish.
34. Draw a labelled diagram of Bippinaria larvae.
35. Write the functions of Aristotle's lantern.
