

ZOOLOGY (Hons)

IIND SEMESTER

PAPER – II

Submission Date: 7/8/20

Max. Marks = 50

Section A →

1*5 = 5

- Q 1. Water Vascular System or Ambulacral System is found in which phylum? 1
- Q 2. Name a living fossil belonging to phylum Arthropoda? 1
- Q 3. Write the Scientific names of 1
- (a) Silkworm
- (b) Honeybee
- Q 4. Which Phylum is the second largest phylum in animal kingdom? 1
- Q 5. Name two economically important insect? 1

Section B →

2*5 = 10

- Q 6. Define Metamerism? Give example? 1+1 = 2
- Q 7. Write the function of Malpighian tubule? In which phylum it is predominantly found? 1+1 = 2
- Q 8. What is the role of ink gland in Sepia? 2
- Q 9. Name the larva found in the following phylum
- (a) Mollusca
- (b) Echinodermes

- Q 10. What is the function of Radula? In which phylum it is found? 1+1 = 2

Section C →

3*5=15

- Q 11. What are the 3 type of Coelom. Explain using suitable diagram? 5
- Q 12. Write the General Characteristic of phylum Echinodermata and classify upto family using a suitable example? 3+2=5
- Q 13. Write the difference between Schizocoelom and Enterocoelom. Give suitable example 5

OR

- Q. Explain the evolutionary significance of onychophora? 5

Section D →

Q 14. Why bees are called social insect. Discuss the labour division and caste system in bees? What is the role of hormone for social organisation. Describe the two languages used by bees ? 2+2+2+4=10

OR

Q. (a) Write the significance of Trochophore larva? 5

(b) Write the affinities of echinoderms towards chordates. 5

Q 15. Explain the mechanism of torsion and detorsion in Gastropods? Write the Significances of torsion? 5+5=10

OR

Q. Define Metamorphosis? What are the different types of metamorphosis found in insect? 2+8=10