

Junior Inter Zoology Model Paper

60 Marks

Time : 3 Hours]

MAX. MARKS : 60

Note : Read the following instructions carefully.

- (i) Answer **all** the questions in Section – A. Answer any **six** questions in Section – B and any **two** questions in Section – C.
- (ii) In Section – A, questions from Sl. Nos. 1 to 10 are of Very Short Answer Type. Each question carries **two** marks. Every answer may be limited to **5** lines. Answer **all** these questions at **one** place in the same order.
- (iii) In Section – B, questions from Sl. Nos. 11 to 18 are of Short Answer Type. Each question carries **four** marks. Every answer may be limited to **20** lines.
- (iv) In Section – C, questions from Sl. Nos. 19 to 21 are of Long Answer Type. Each question carries **eight** marks. Every answer may be limited to **60** lines.
- (v) In Section – B and C, draw labelled diagrams wherever necessary.

SECTION – A

10 X 2 = 20 M

1. Mention any two products of medicinal importance obtained from Nature..
2. Name the glial cells that form myelin sheath around the axons of central nervous system and peripheral nervous system respectively.
3. Distinguish between holocrine and apocrine glands.
4. Distinguish between a tendon and a ligament.
5. What are the excretory cells of flatworms called? What is the other important function of these specialised cells?
6. In which group of animals do we find three ear ossicles on each side and what are their names from the inner most to the outermost?
7. Distinguish between lobopodium and filopodium. Give an example to each of them.
8. *Entamoeba histolytica* is an obligatory anaerobe. Justify.
9. Define conjugation with reference to ciliates. Give two examples.
10. What is cyclomorphosis? Explain its importance in *Daphnia*.

SECTION – B

6 X 4 = 24 M

11. What is the evil quartet?
12. Describe the structure of a cardiac muscle.
13. Mention the general characters of Arachnida.
14. Describe the male reproductive system of frog with the help of a labelled diagram.
15. Describe the process of longitudinal binary fission in *Euglena*.
16. What are the adverse effects of tobacco?
17. Draw a neat labelled diagram ommatidium of cockroach.
18. What are the deleterious effects of depletion of ozone in the stratosphere?.

SECTION – C

2 X 8 = 16 M

19. Describe the lake as an ecosystem giving examples for the various zones and the biotic components in it.
20. Describe the reproductive system of *Periplaneta* and draw neat and labelled diagrams of it.
21. Describe the structure and life cycle of *Ascaris lumbricoides* with the help of a neat and labelled diagram.