

Exam. Code : 107401

Subject Code : 2171

B.Sc. Biotechnology Ist Semester

ZOOLOGY-A

Paper-BT-1

Time Allowed—3 Hours] [Maximum Marks—40

Note :— Attempt **FIVE** questions from Section-B and **TWO** questions from Section-C. Section-A is compulsory.

SECTION-A

Note :— Give short answers :

1. Enzymatic digestion
2. Functions of liver
3. Cardiac output
4. Homeostasis
5. Bohr effect
6. Auriculo-ventricular node
7. Hepatic portal system
8. Dermis. 1×8

SECTION-B

9. Describe the structure of tooth and give types of teeth in rabbit.
10. Describe different types of feeding mechanisms.

11. Give an account of mechanism of blood clotting.
12. Describe the structure of heart in man.
13. Explain the transport of oxygen and carbon dioxide during respiration.
14. Give comparison of respiratory organs of man and rabbit.
15. Give structure of skin of rabbit.
16. Describe dermal glands in skin of man. 4×5

SECTION-C

17. Give an account of structure of lung in man and compare with that of rabbit.
18. Explain the process of absorption of food in mammals.
19. Explain venous system of rabbit.
20. Give comparative account of skin in man and rabbit.

2×6