

6. How does mammalian kidney produce concentrated urine ?
7. Giving ultra structure of skeletal muscle explain the sliding filament theory.
8. (a) How is action potential transmitted along axon ?
(b) Write a note on adrenal gland.

Exam. Code : 107402

Subject Code : 1746

B.Sc. (Bio Technology) 2nd Semester

ZOOLOGY—I

Paper : BTL-151

Time Allowed—2 Hours]

[Maximum Marks—40

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. (a) Give classification of Phylum Echinodermata along with their general characters.
(b) Write a short note on canal system.
2. (a) Differentiate between Non-chordates and Chordates.
(b) Differentiate between Chondrichthyes and Osteichthyes.
(c) List the main characters of birds that help in their aerial mode of life.
3. (a) Explain structure and function of stomach.
(b) Write a note on digestion and absorption of fats.
4. (a) Explain the structure and working of human lungs.
(b) What is Bohr's effect ?
5. (a) Discuss blood circulation in human, naming the major blood vessels and heart valves.
(b) What are the various cellular components of blood ?