

Exam. Code : 107402

Subject Code : 1837

B.Sc. (Biotechnology) 2nd Semester**BT-1 : ZOOLOGY—B**

Time Allowed—3 Hours] [Maximum Marks—40

Note :— Attempt *five* questions, selecting at least *one* from each section and *fifth* question from any section.**SECTION—A**

1. Give a detailed account of structure and function of mammalian kidney. 8
2. Write notes on :
 - (a) Development of urogenital ducts
 - (b) Oogenesis. 8

SECTION—B

3. (a) Explain the structure and function of adrenal gland. 6
- (b) How does antidiuretic hormone help in conservation of water ? 2
4. (a) Discuss in detail the functions of various hormones released from adenohipophysis. 6
- (b) Differentiate between the symptoms of hypothyroidism and hyperthyroidism. 2

SECTION—C

5. Discuss synaptic transmission at neuromuscular junction. 8
6. Explain the structure and function of mammalian eye with the help of a well labeled diagram. 8

SECTION—D

7. Discuss in detail the physiology of skeletal muscle contraction. 8
8. Give a detailed account of cardiac and smooth muscle fibers. 8