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(20425) Roll No.
B.Sc. (Bio-Tech.)-II Year

3470
B.Sc. (Biotechnology)
Examination, April-2025
Animal Physiology
(B-207)
(B.Sc. Biotech.)

Time : Three Hours] [Maximum Marks : 50

Note : Attempt any **five** questions. **All** questions carry equal marks.

1. Explain the autonomous smooth muscle function of process of digestion. 10
2. Discuss the unique features of action potential and contraction of cardiac muscle fibers. 10

3. Briefly explain about absorption and assimilation of food. 10
4. What is buoyancy? Explain various strategies used by animals for density reduction. 10
5. What is biological clock? Explain endogenous clock hypothesis. 10
6. Discuss in detail the process of urine formation and its regulation. 10
7. Write short notes on any **two** of the following 5×2=10
 - (a) Homeostasis
 - (b) BMR
 - (c) Oxygen dissociation curve
 - (d) Chronic muscle sickness

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P.T.O.

8. ✓ Write short notes on any **two** of the following 5×2=10

✓ (a) Composition of human blood

(b) Gastrointestinal hormones

✓ (c) Thromoplastin

(d) Role of pancreatic juice in digestion

9. ✓ Explain in detail about ornithine cycle.

10

10. ✓ Describe the endocrine control of mammalian reproduction. 10