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(Printed Pages 3)

(20425)

Roll No. 230686250021

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

P.T.O.

3. Briefly explain about absorption

assimilation of food.

4. What is buoyancy? Explain various

strategies used by animals for density reduction.

5. What is biological clock? Explain

endogenous clock hypothesis.

6. Discuss in detail the process of uric acid

formation and its regulation.

7. Write short notes on any **two** of the

following

(a) Homeostasis

(b) BMR

(c) Oxygen dissociation curve

(d) Chronic muscle sickness

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and

10

various

density

10

explain

10

uric acid

10

of the

2=10

5×2=

8. Write short notes on any **two** of the following $5 \times 2 = 10$

(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

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