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(Printed Pages 3)

(20426)

Roll No.

B.Sc. (Bio-Tech.)-II Year

3470

B.Sc. (Biotechnology)

Examination, April-2026

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 mechanism of blood clotting. 10
2. What is the oxyhaemoglobin dissociation curve? Write the different factors affecting the oxyhaemoglobin dissociation curve. 10
3. Describe the mechanism of urine formation. 10

P.T.O.

4. Write about the carbohydrate digestion in different parts of the gastrointestinal tracts of monogastric animals. 10
5. Write the physiology of the pituitary gland. 10
6. Explain the mechanism of impulse transmission through the synapse. 10
7. Describe the different steps of spermatogenesis with a suitable diagram. 10
8. Write the mechanism of hearing in the farm animals. 10
9. Write short notes on any **two** of the following: $5 \times 2 = 10$
- (a) Animal behaviour
 - ~~(b) Neurons~~
 - (c) Reflex action
 - ~~(d) Composition of blood~~

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

(a) Homeostasis .

(b) Hypoxia

(c) Pancreatic hormones

(d) Implantation .
