

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	3	5	6
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Exam. Code :

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B.A./B.Sc. (General) 4th Semester

1048

ZOOLOGY

Paper-II Biochemistry and Animal Physiology-II (Zoo-402)

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :- Attempt five questions selecting one question from each unit. Question No. 1 is compulsory.

1. Explain briefly :

- (a) Oxidative deamination
- (b) Saturated fatty acids
- (c) Osmoregulation
- (d) Troponin
- (e) Demylinated Nerve fibre
- (f) Dopamine
- (g) Corticosteroid
- (h) Islets of Langerhans.

8×1=8

UNIT-I

2. Describe the fatty acids metabolism.

7

3. (a) Describe the process of Gluconeogenesis. 4
- (b) How lipids are formed in the tissue ? 3

UNIT-II

4. Explain the functioning and significance of ornithine cycle. 7
5. Write notes on following :
 - (a) Decarboxylation
 - (b) Transamination. 4+3=7

UNIT-III

6. (a) What is the role of kidney in Osmoregulation ? 3
- (b) What do you know about counter current mechanism ? 4
7. What is the physiological basis of skeletal muscle action. 7

UNIT-IV

8. What is resting membrane potential ? Describe the structure of Neuron. 7
9. (a) Describe the structure and function of hormones secreted by testis. 4
- (b) Write a note on endocrine nature of pineal gland. 3