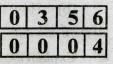
(i) Printed Pages : 2

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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

Turn over

7

UNIT-I

1

2. Describe the fatty acids metabolism.

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

UNIT-II

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

UNIT-III

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

UNIT-IV

- 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.

4

3

7

3

3

4+3=7

STATISTICS .