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AI—199—2017

FACULTY OF SCIENCE

M.Sc. (Fourth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2017

(CBCS Pattern)

ZOOLOGY

(P-ZOOL-403 'D')

(Animal Physiology-I : Mammalian Physiology-I)

(Thursday, 16-11-2017)

Time : 2.00 p.m. to 5.00 p.m.

Time— Three Hours

Maximum Marks—75

N.B. :— (i) Attempt all questions.

(ii) All questions carry equal marks.

(iii) Illustrate your answers with suitable labelled diagrams wherever necessary.

1. Describe in detail the histological structure of stomach and small intestine. 15

Or

What is digestion ? Explain in detail anatomy and functions of digestive tract in human.

2. Explain in detail lung volume and lung capacities. 15

Or

Describe the Chemical and Nervous Control of Respiration.

3. Explain in detail the mechanism of erythropoiesis. 15

Or

Describe in detail Internal structure and working mechanism of Heart in human.

P.T.O.

4. Describe the structure, histology and working mechanism of nephron. 15

Or

Explain in detail the dialysis therapy in Kidney.

5. Write short notes on (any *three*) : 15

- (a) Brush Border Enzymes
- (b) Asthma
- (c) Blood Cholesterol
- (d) Urinary Tract Infection.