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PA—60—2024

FACULTY OF SCIENCE

B.Sc. (Second Year) (Third Semester) EXAMINATION

APRIL/MAY, 2024

(New Pattern)

ZOOLOGY

Paper VI

(Physiology)

(Friday, 19-04-2024)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt *all* questions.

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

1. Describe structure of nephron and add a note on mechanism of urine formation. 15

Or

(a) Describe physiology of digestion of carbohydrates. 8

(b) Describe mechanism of respiration in man. 7

2. Describe structure, functions and hormonal disorders of thyroid gland. 15

P.T.O.

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(2)

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Or

- (a) Describe ultra-structure of skeletal muscles. 8
- (b) Explain structure of generalised neuron and add a note on types of neurons. 7
3. Write short notes on any *two* of the following : 10
- (a) Transport of O₂ and CO₂
- (b) E.C.G.
- (c) Cardiac muscles
- (d) Islet's of Langahans.

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