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PA—75—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

MARCH/APRIL, 2024

(New Pattern)

ZOOLOGY

Paper VII

(Biochemistry)

(Monday, 22-04-2024)

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

Time—2 Hours

Maximum Marks—40

Note :— (i) Attempt *All* questions.

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

1. Explain classification of lipids. 15

Or

(a) Define enzymes. Describe classification of enzymes. 8

(b) Describe in detail pH and colligative properties of water. 7

P.T.O.

WT (2) PA—75—2024

2 Explain in detail Kreb's cycle. 15

Or

(a) Explain in detail β -oxidation pathway. 8

(b) Write in detail transamination and deamination. 7

3. Attempt any *two* out of four : 10

(a) Oligosaccharides

(b) Lock and key model

(c) Ketosis

(d) Glycogenesis.