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VA—75—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2024

(New Course)

ZOOLOGY

Paper-VII

(Biochemistry)

(Thursday, 12-12-2024)

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

Time—2 Hours

Maximum Marks—40

N.B. :— (1) Attempt *all* questions.

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

1. Explain in detail structure of Lipids. 15

Or

(a) Describe electrochemical properties of water. 8

(b) Explain E-S complex formation and Lock and Key model. 7

2. Describe in detail HMP shunt. 15

Or

(a) Write in detail Ketosis and Ketogenesis. 8

(b) Describe ornithine cycle. 7

P.T.O.

WT

(2)

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3. Attempt any *two* of the following :

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- (a) Polysaccharides
- (b) Factors affecting enzyme activity
- (c) Glycogenesis
- (d) Transamination.

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