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GA—98—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2023

(New Course)

ZOOLOGY

Paper VII

(Biochemistry)

(Monday, 8-5-2023)

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

Time—Two Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

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

1. Define lipids and classify them with suitable examples. 15

Or

(a) Explain the different theories proposed for mechanism of enzyme substrate complex formation. 8

(b) Explain in detail colligative properties of water. 7

2. Explain in detail pentose phosphate pathway. 15

Or

(a) Describe in detail ketogenesis and ketolysis. 8

(b) Describe in detail deamination of amino acids. 7

P.T.O.

WT

(2)

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3. Attempt any *two* out of four (each of **5** marks) :

10

- (a) Properties of proteins
- (b) Classification of enzymes
- (c) Glycogenolysis
- (d) Decarboxylation.