This question paper contains 2 printed pages]

NA-69-2023

FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. (Second Year) (Fourth Semester) EXAMINATION NOVEMBER/DECEMBER, 2023

(New Pattern)

ZOOLOGY

Paper-VIII

(Cell Biology and Genetics)	
(Thursday, 14-12-2023) Time: 2.00 p.m. to 4.0	00 p.m.
Time—2 Hours Maximum Man	-ks—40
N.B.: (1) Attempt all questions.	
(2) Illustrate your answers with suitable labelled diagrams, where the suitable labelled diagrams, where the suitable labelled diagrams, where the suitable labelled diagrams, where suitable labelled diagrams, which is the suitable labelled diagrams.	nerever
1. Describe the structure of Prokaryotic cell.	15
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(a) Explain the Mendel's Law of Segregation.	8
(b) Give an account on Supplementary factor.	7
2. What is Linkage? Describe the types and significance of Linkage.	15
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(a) Give an account on Bridge ratio theory of Genic Balance.	8
(b) Give an account on Human Pedigree analysis with symbols.	7
	P.T.O.

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3. Write short notes on any two of the following:

- (a) Golgi Complex
- (b) Duplicate gene
- (c) Erythroblastosis foetalis
- (d) Haemophilia.

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