

This question paper contains 2 printed pages]

NA—119—2023

FACULTY OF SCIENCE & TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(New Pattern)

MICROBIOLOGY

Paper-VIII

(Food, Soil Microbiology and Microbial Ecology)

(Thursday, 21-12-2023)

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

Time—2 Hours

Maximum Marks—40

N.B. :— (1) Attempt *all* questions.

(2) Draw well labelled diagrams wherever necessary.

1. Take a detailed account of different types of food spoilage with suitable examples. 15

Or

Write notes on :

(a) Composition and different types of soil. 8

(b) Significance of microorganisms in soil. 7

2. Represent and describe sulfur cycle. 15

Or

Write notes on :

(a) Rumen Symbiosis 8

(b) Bioluminescence and microbial succession. 7

P.T.O.

WT

(2)

NA—119—2023

3. Write short notes on (any *two*) :

10

- (a) Chemical food preservatives
- (b) Soil as a culture medium
- (c) Nitrification
- (d) Antibiosis.