

This question paper contains 2 printed pages]

NA—83—2023

FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (First Year) (First Semester) EXAMINATION
NOVEMBER/DECEMBER, 2023

(New Pattern)

MICROBIOLOGY

Paper-I

(Introductory Microbiology)

(Monday, 18-12-2023)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (1) *All questions are compulsory.*

(2) *Represent your answer with suitable diagram wherever necessary.*

1. Define Biogenesis. Describe controversy over spontaneous generation. 15

Or

Write on the following :

(a) Beneficial and harmful role of microorganisms in human health. 8

(b) Distribution of microorganisms in nature. 7

2. Explain in detail general methods of classifying bacteria : intuitive, numerical taxonomy and genetic relatedness. 15

Or

Write on the following :

(a) General characteristics of Archaeobacteria. 8

(b) General characteristics of fungi. 7

P.T.O.

WT

(2)

NA—83—2023

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

10

- (a) Principles of nomenclature of bacteria
- (b) Protozoa
- (c) Edward Jenner
- (d) Role of microbes in industry.

NA—83—2023

2