

No. of Printed Pages : 03

Roll No.

C532

B. Sc. EXAMINATION, 2020

(Third Semester)

(Main & Re-appear)

(BT)

DBT203

INTRODUCTION TO MICROBIOLOGY

Time : 2½ Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks.

1. Write short notes on the following :
 - (a) Germ theory of disease
 - (b) Binomial Nomenclature
 - (c) Archaeobacteria
 - (d) Composting
 - (e) Biopolymers.
2. Discuss in detail the discovery of the microbial world. Also explain the controversy over origin of microbes.
3. Enumerate the various developments in the field of microbiology before and after 20th century.
4. Explain evolution of earth and earliest life forms. Enumerate the earlier classification systems.
5. What are the primary criteria for classification of microorganisms ? Explain in detail.
6. Describe the latest classification system of bacteria giving suitable examples. **15**

7. Give a detailed account of general characteristics of Algae and Protozoa.
8. Discuss the applications of microorganisms in the field of Environmental Biotechnology.
9. Write a detailed account of any *two* important viral diseases, their symptoms and treatment methods.