



MB 1.1

I Semester M.Sc. Microbiology Examination, May 2014
MICROBIOLOGY-PERSPECTIVES AND CLASSIFICATION

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all the Sections.

SECTION – A

Answer **any four** questions from the following : **(4×5=20)**

1. Spontaneous generation.
2. Prions.
3. Industrially important microorganisms.
4. Mollicutes.
5. Carolus Linnaeus.
6. Five kingdom classification.

SECTION – B

Answer **any three** questions from the following : **(3×10=30)**

7. Who were the pioneering investigators who contributed to the development of the discipline of microbiology ?
8. Give an account of the applied branches of microbiology.
9. Write short notes on the following :
 - a) Edward Jenner.
 - b) Alexander Fleming.

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10. Write short notes on the following :
- a) Archaeobacteria
 - b) Nitrifying bacteria.
11. Give a brief account of identification, classification and taxonomy of living organisms.

SECTION - C

Answer **any two** questions from the following : (2x15=30)

12. Discuss the impact of microbiology in the fields of agriculture, medicine and industry.
13. What were the important contributions of Louis Pasteur ? Explain Pasteurization.
14. Write short notes on the following :
- a) Paul Ehrlich
 - b) Bergy's manual
 - c) Femicutes.
15. Write short notes on the following :
- a) Christian Gram
 - b) Four kingdom system
 - c) Microbial biotechnology.

(3x10=30)

SECTION - B

Answer any three questions from the following :

7. Who were the pioneering investigators who contributed to the development of the discipline of microbiology ?
8. Give an account of the applied branches of microbiology.
9. Write short notes on the following :
- a) Edward Jenner
 - b) Alexander Fleming