AC-2953
First Year B. Sc. (Med. Tech.) (Sem. II) Examination
March / April - 2015
MT - 04 : Introduction to Microbial Diversity

Time : 2 Hours] [Total Marks : 50

Instructions :
(1) Fill up strictly the details of signs on your answer book.

(2) Draw labelled diagrams wherever necessary.

(3) Figures to the right indicate full marks of the question.

1 Answer the following : 8
   (1) Why Antony van Leuwenhock is called the father of microbiology ?
   (2) Distinguish between bacteria and mycoplasma.
   (3) Define spontaneous generation.
   (4) What do you mean by taxonomic hierarchy ?

2 Attempt any two of the following : 14
   (1) Discuss development of medical microbiology in detail.
   (2) Give the general characteristics and significance of fungi.
   (3) Write a note on 'Mycoplasma'.
3 Answer any two of the following:
(1) Give the structural detail of Eukaryotic cell.
(2) Compare between Actinomycetes and fungi.
(3) Explain physiological and metabolic characters of Microorganisms.

4 Write short notes on any two of the following:
(1) Morphology and characteristics of Protozoa.
(2) Nucleic acid hybridization.
(3) Contributions of Louis Pasteur.