AC-2979
First Year B. Sc. (Med. Tech.) (Sem. II) Examination
March / April - 2015
MT - 04 : Introduction to Microbiology
(Old Course)

Time : 2 Hours] [Total Marks : 50

Instructions :

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

(2) Draw labelled diagram wherever necessary.

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

1 Answer the following : 8
   (1) Enlist Koch's Postulate.
   (2) Give the significance of taxonomy.
   (3) Define thermal death point and thermal death time.
   (4) What is HEPA? Give its use.

2 Answer any two of the following : 14
   (1) Explain in detail Reproduction of algae.
   (2) Enlist chemical methods used to control microbial growth.
       Explain any one in detail.
   (3) How Pasteur and Tyndall disproved the controversy over
       a biogenesis? Explain.
3 Attempt any two of the following:

(1) Explain briefly the morphological features of protozoa.

(2) Classify the RNA viruses with example.

(3) Give the advantages and disadvantages of ultraviolet light and ionizing radiation as sterilizing agents.

4 Write short notes on any two of the following:

(1) Lysogeny

(2) Phenols and phenolic compounds.

(3) Asexual Reproduction in fungi.