



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)

|  |                      |
|--|----------------------|
| नीचे दशांश देव निशान्नीवाणी विगतो उत्तरवडी पर अवश्य लपनी.<br>Fillup strictly the details of signs on your answer book. | Seat No. :           |
| Name of the Examination :  | <input type="text"/> |
| <input type="checkbox"/> F. Y. B. SC. (MED. TECH.) (SEM. II)   | <input type="text"/> |
| Name of the Subject :  | <input type="text"/> |
| <input type="checkbox"/> MT - 04 : INTRODUCTION MICROBIOLOGY (OLD)   | <input type="text"/> |
| Subject Code No. : <input type="text"/> 2 <input type="text"/> 9 <input type="text"/> 7 <input type="text"/> 9         | <input type="text"/> |
| Section No. (1, 2,.....): <input type="text"/> Nil   |                      |
|  | Student's Signature  |

(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: **14**

- (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: **14**

- (1) Lysogeny
  - (2) Phenols and phenolic compounds.
  - (3) Asexual Reproduction in fungi.
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