



S-2665

**M. Sc. (Part - I) (Sem. I) (Medical Technology)
Examination**

March / April – 2011

MT - 101 : General Microbiology

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. Sc. (Part - 1) (Sem. 1) (Medical Technology)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MT - 101 : General Microbiology"/>	<input type="text"/>
Subject Code No. : <input type="text" value="2"/> <input type="text" value="6"/> <input type="text" value="6"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

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

(3) Draw neat and labeled diagrams whenever necessary.

- 1 Describe in detail any **two**. 18
 - (a) Structure and function of peptidoglycan
 - (b) Pilli and fimbriae
 - (c) Golgi apparatus and lysosome

- 2 Elaborate on following any **two**:- 18
 - (a) Electron microscopy
 - (b) Atomic force microscopy
 - (c) Scanning tunnel microscopy

- 3 Explain in detail any **two** : 18
 - (a) Use of various media in isolation of fungi
 - (b) Short term preservation methods
 - (c) Gas liquid chromatography

- 4 Write notes on any **two** :- 16
 - (a) Methods of continuous cultivation
 - (b) Factors affecting microbial growth
 - (c) Evaluation of effectiveness of antimicrobial agents