



**SB-3569**

**M. Sc. (Med. Tech.) Examination**  
**March / April – 2011**  
**Clinical Bacteriology**

Time : 3 Hours]

[Total Marks : 52

**Instructions :**

(1)

नीचे दशावलि निशानीवाणी विगतो उत्तरवडी पर अवश्य दभवी. 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. (Med. Tech.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Clinical Bacteriology"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="6"/> <input type="text" value="9"/>	Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>
Student's Signature	

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

**SECTION - I**

1 (a) Discuss the current application and future prospects of Recombinant DNA technology. **14**

**OR**

- (a) Discuss the role of special stains in the diagnosis of infections diseases.  
(b) Discuss bacterial Drug resistance.

**OR**

- (b) Give an account of blood culture in the diagnosis of infections diseases.

2 Write short notes : (any **three**) **12**

- (a) Collection and processing of urine sample  
(b) Betalactamases  
(c) Bioterrorism  
(d) Bacteriophage.

## SECTION - II

- 1 (a) Describe the pathogenesis of gastric ulcer discuses. Highlighting the role of *Helicobacter pylori*. 14

OR

- (a) Discuss the laboratory diagnosis of pulmonary tuberculosis with emphasis to recent advances.  
(b) Give an overview of Hospital infection control.

OR

- (b) Hybridization techniques.

- 2 Write short notes : (any **three**) 12

- (a) Actinomycetes  
(b) Typhus fever  
(c) *Mycoplasma pneumoniae*  
(d) Biofilms.

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