



**SB-2768**

**M. Sc. Medical Technology (Sem - II) Examination**  
**March / April - 2011**  
**MT - 204 Medical Technology**

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दृशावेव निशानीवाणी विगतो उत्तरवडी 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. MEDICAL TECHNOLOGY (SEM - II)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MT - 204 MEDICAL TECHNOLOGY"/>	<input type="text"/>
Subject Code No. : <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="6"/> <input type="text" value="8"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	

- (2) The **right** side figures indicates total marks of respective question.
- (3) Draw neat and clean and labelled diagram wherever necessary.

- |   |  |    |
|---|--|----|
| 1 | Describe DNA replication and its regulation.         | 10 |
| 2 | Write any <b>three</b> :                             | 30 |
|   | (a) Hfr and its role in conjugation in bacteria.     |    |
|   | (b) Restricted transduction.                         |    |
|   | (c) Biological roles of site specific recombination. |    |
|   | (d) Fish   |    |
| 3 | Write any <b>three</b> :                             | 30 |
|   | (i) DNA fingerprinting.                              |    |
|   | (ii) Spontaneous mutation.                           |    |
|   | (iii) Genetic code                                   |    |
|   | (iv) RFLP.   |    |