



JB-3183

Second Year B. Sc. (Sem. - IV) Examination
April/May - 2013

Medical Technology : MT-08
(Analytical Microbiology) (New Course)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृष्टावेक 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"/> S. Y. B. Sc. (Sem. - 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text"/> Medical Technology : MT - 08	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 1 <input type="text"/> 8 <input type="text"/> 3	<input type="text"/>
Section No. (1, 2,.....) : <input type="text"/> Nil	<input type="text"/>
	Student's Signature

- (2) Figures on right indicate marks.
(3) Draw diagram where necessary.

- 1 Answer the following briefly. 8
- (1) Name two Nitrogen fixers.
 - (2) Define water activity.
 - (3) Name indicator organism used for water analysis.
 - (4) Define droplet nuclei.
- 2 Attempt any two of the following. 14
- (1) Explain the role of microorganisms in causing food spoilage.
 - (2) Explain any two methods for air sampling by impaction on solid surface.
 - (3) What are the different methods of water analysis. Explain in detail the MPN determination and its role in water analysis.

3 Comment / Explain any two of following. **14**

(1) Rhizosphere is an area of intense biological and chemical activity.

(2) Food borne intoxication differs from food borne infections.

(3) Red wines differs from white wine.

4 Write notes on any two of following. **14**

(1) Biofertilizers.

(2) Activated sludge treatment.

(3) Commercial composting.
