



JB-3133

Second Year B.Sc. (Sem. III) Examination

March/April – 2013

Bioscience : Paper - III

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृशायेव निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="Second Year B.Sc. (Sem. 3)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Bioscience : Paper - 3"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="3"/>	<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 & labelled diagram wherever necessary.

1 Answer as directed : 12

- Explain - Electrophoresis.
- Describe in brief R_f value.
- What is radioactivity ?
- Enlist the types of chromatography.
- Describe in brief median.
- Define : (a) Mean, (b) Data.

2 Write an essay on - Electromagnetic spectrum. 14

OR

2 Explain in brief principle and operational technique of photoelectric colorimeter.

3 Answer any **two** of the following questions : 14

- Enlist the basic requirements for electrophoresis. Explain the principle of electrophoresis.
- Write a note on Radiation hazards.

- (iii) The following table shows a frequency distribution of zone of inhibition against cefaxime of 96 clinical isolates. Draw histogram and a frequency polygon for this distribution.

<i>Zone of inhibition(mm)</i>	8-12	12-16	16-20	20-24	24-28	28-32
<i>No. of clinical isolates</i>	9	18	24	27	10	8

- 4 Write short notes on : (any two) 10
- (i) Types of paper chromatography.
 - (ii) Pie chart.
 - (iii) Radioisotopes.
 - (iv) Standard deviation.
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