



J-0830

Second Year B. Sc. Examination

March / April – 2013

Bioscience : Paper - IV

(Biochemistry, Biophysics & Instrumentation Biostatistics)
(Old Course)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशों में निशानीवाणी विगतो उत्तरवली पर अवश्य लक्षणी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="S. Y. B. Sc."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Bioscience : Paper - IV (OLD COURSE)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="0"/> <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="0"/>	Section No. (1, 2,.....) : <input type="text" value="Nil"/>
Student's Signature	

- (2) Figures to the right indicate full marks.
(3) Draw neat & labelled diagram wherever necessary.

1 Answer as directed. 12

- (1) Explain : Cataphoresis.
- (2) Describe in brief radioactivity.
- (3) Enlist any four disaccharide.
- (4) What is p^H ?
- (5) Give any two example of non-ionizing radiation.
- (6) Define :
 - (a) Solution
 - (b) Irreversible colloids

2 Write an essay on - Enzymes. 15

OR

- 2 (1) Describe in brief chemistry and importance of monosaccharide. 9
- (2) Write a note on RNA. 6

3 Write an essay on - Photoelectric Colorimeter. **14**

OR

3 (1) Write a note on Radioisotopes.
(2) Describe in brief paper chromatography.

4 Answer any two of the following. **14**

- (1) Explain mean Mode and Median with suitable example.
- (2) Write a note on coefficient of variation.
- (3) What is graphical representation of data ? Describe in brief bar diagram and histogram.

5 Write short notes. (any three) **15**

- (1) Fatty acid.
- (2) Essential amino acids.
- (3) Tyndal effect.
- (4) Nucleotides.
- (5) Ionizing radiation.
