



A-3034
B. Sc. (Sem. III) Examination
March / April – 2015
Bioscience : Paper - III
(Biophysics & Biostatistics)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दशांश देव निशान्नीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B. Sc. (Sem. 3)</p> <p>Name of the Subject : Bioscience : Paper - 3</p> <p>Subject Code No. : 3 0 3 4 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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- (2) Figures to the **right** indicate full marks of the question.
(3) Draw a neat and labelled diagram wherever **necessary**.

1 Answer as directed :

12

- (1) Explain : Radioactivity.
- (2) Describe in brief standard buffer.
- (3) What is non-ionizing radiation ?
- (4) Enlist the various types of graphs to represent data.
- (5) Give any two examples of ionizing radiation.
- (6) Define :
 - (a) Mode
 - (b) Primary data.

2 Answer any two of the following :

14

- (1) Describe in brief general procedure of electrophoresis.
- (2) Write a brief note on TLC.
- (3) What is monochromatic light ? Explain in detail Beer-Lambert's law.

- 3** Answer any two of the following : **14**
- (1) Explain in brief standard deviation and standard normal curve.
 - (2) Write a note on bar graph.
 - (3) Explain in detail radiation hazards.
- 4** Write short notes : (any **two**) **10**
- (1) Visible spectrum
 - (2) Sector diagram
 - (3) Glass and reference electrodes.
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