Instructions:

(1) Figures to the right indicate full marks of the question.
(3) Draw a neat and labelled diagram wherever necessary.

1 Answer as directed:

(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:

(1) Describe in brief general procedure of electrophoresis.
(2) Write a brief note on TLC.
3 Answer any two of the following:
   (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)
   (1) Visible spectrum
   (2) Sector diagram
   (3) Glass and reference electrodes.