

M.Sc.(Biotechnology) CBCS Pattern Semester-I
PSBIT103 -Paper-III : Biophysical Techniques

P. Pages : 1

Time : Three Hours



GUG/W/23/11148

Max. Marks : 80

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- Notes : 1. All questions are compulsory & carry equal marks.
2. Draw diagrams wherever necessary.

1. Describe paper chromatography in detail. 16

OR

Give detail account on SDS-PAGE electrophoresis.

2. Discuss about various types of centrifuge. 16

OR

Give detail account on density gradient centrifugation and its applications.

3. Describe UV-Visible spectrophotometry in detail. 16

OR

a) Give the information about fluorescence spectrophotometry. 8

b) Discuss about NMR & its applications. 8

4. Discuss the measurement of radioactivity by Geiger-Muller counter method. 16

OR

Give the information about isotopic tracer technique with its advantages and limitations.

5. Write note on:

a) Give the information about HPLC. 4

b) Sedimentation coefficient. 4

c) Raman spectrophotometry. 4

d) Radioactive decay. 4
