

106/15

Sub: Analytical Methods in
Biotechnology.

216115

BT/IV/CBAS/AMB

S.E-IV Sem - Biotech.
(3 Hours)

QP Code : 3672

Total: 80 Marks

26

- NB: (1) Question No.1 is compulsory
(2) Attempt any 3 questions out of remaining 5 questions
(3) Each question is of 20 marks
(4) Figures to right indicates full marks

- Q.1 (a) Write a note on Paper Chromatography (5)
(b) Write different factors affecting on electrophoresis (5)
(c) Describe Rate -Zonal centrifugation (5)
(d) Write a note on Autoradiography (5)
- Q.2 (a) Describe affinity chromatography (10)
(b) Explain principle of Lambert- Beer's law with mathematical equation (10)
- Q.3 (a) Describe detection & measurement of radioactivity by ionization chamber (10)
(b) Explain agarose gel electrophoresis with application (10)
- Q.4 (a) Write different types of centrifuge (10)
(b) Describe UV-Visible spectrophotometer (10)
- Q.5 (a) What is radioactivity? Discuss Geiger-Muller experiment (10)
(b) Describe Immune-electrophoresis with applications (10)
- Q.6 (a) What is chromatography? Discuss Gas chromatography (10)
(b) Describe Differential centrifugation (10)