

ADIKAVI NANNAYA UNIVERSITY

RAJAMAHENDRAVARAM

CBCS / Semester System

(From 2015-16 Admitted Batch)

BIO TECHNOLOGY

III SEMESTER

MODEL QUESTION PAPER

BIO PHYSICAL TECHNIQUES

Time: 3 Hrs

Max. Marks: 75

SECTION – A

Answer any five questions

5 x 5 =25

1. Beer Lambert's law
2. Types of Resins and their synthesis
3. Types of gels in Gel electrophoresis
4. Radioactive decay and its kinetics
5. Concept of RCF
6. Partition coefficient
7. Applications of Spectrophotometry
8. Solid-liquid scintillation

SECTION – B

Answer all the Questions

5 x 10 = 50

9. a) Describe UV Spectrophotometry
(Or)
b) Describe Colorimetry
10. a) Describe Paper Chromatography
(Or)
b) Describe Ion Exchange Chromatography
11. a) Describe Gel electrophoresis
(Or)
b) Describe SDS-PAGE
12. a) Measurements of Radio activity
(Or)
b) Biological Applications of Radioactivity
13. a) Describe Ultracentrifugation
(Or)
b) Mean, Median and Mode