



ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PRE FINAL - EXAMINATIONS

I B.Sc II SEMESTER

BIO CHEMISTRY

Max. Marks : 75 M

Time: 3 Hours

Date: 26.03.2020

SECTION-A

I. Answer any FIVE of the following questions: 5 x 5 = 25 M

1. Nucleotides
2. Hyperchromic effect
3. Cytochromes
4. Tissue homogenization
5. TLC
6. Agarose gel electrophoresis
7. Half life
8. Beer's Law

SECTION-B

II. Answer the following questions: 5 x 10 = 50 M

9. a) What are the postulates of structure of DNA
(Or)
b) Explain about structure and functions
10. a) Write about structure and functions of Heme.
(Or)
b) Explain structure and functions of different types of Porphyrins
11. a) Discuss about ultracentrifugation
(Or)
b) Write the principle, procedure and applications of Gel filtration chromatography
12. a) Write about SDS - PAGE
(Or)
b) Discuss about biological applications of radio isotopes
13. a) Explain about principle, procedure and applications of colorimetry.
(Or)
b) Explain about principle and applications of Spectrofluorimetry.

AWDC - KKD