



ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PRE FINAL - EXAMINATIONS

II B.Sc IV 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. Anaplerosis
2. Ketone Bodies formation
3. Salvage pathway.
4. Ribonucleotide reductase
5. Alkaptonuria
6. Glycolysis
7. Biosynthesis of tri glycerides
8. Atherosclerosis

SECTION-B

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

9. a) Write about pentose phosphate pathway
(Or)
b) Write about Oxidation of Acetyl - coA under Aerobic conditions.
10. a) Write about Oxidation of Fatty Acids and calculate ATP yield on Oxidation of palmitic acid
(Or)
b) Discuss about biosynthesis of cholesterol
11. a) Explain about Krebs' - Henseleit cycle (urea cycle)
(Or)
b) Write about General metabolic reactions of Amino Acids
12. a) Write about De novo pathway for Biosynthesis of Purine Ribonucleotides
(Or)
b) Write about Biosynthesis of Heme.
13. a) Discuss about inborn errors of Nucleotide Metabolism
(Or)
b) Explain about the organs involved in integration of Metabolism.

AWDC - KKD