



Aditya Group of Degree Colleges
ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *
PRE FINAL - EXAMINATIONS
I B.Sc II SEMESTER
MICROBIOLOGY

Max. Marks : 75 M
Time: 3 Hours

Date: 24.03.2020

SECTION-A

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

1. Disaccharides
2. Paper Chromatography
3. Lock & Key model
4. Autotrophs
5. Glycolysis
6. Sterols
7. Coenzymes
8. Anaerobic respiration

SECTION-B

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

9. a) Write about polysaccharides in detail

(Or)

- b) Write about saturated and unsaturated fatty acids

10. a) Explain about principle, process & types of Spectrophotometry

(Or)

- b) Write about principle & applications of Centrifugation

11. a) Explain in detail about classification of enzymes

(Or)

- b) Write an essay on various types of enzyme Inhibition

12. a) Write about Oxygenic & An oxygenic photosynthesis in Bacteria

(Or)

- b) Explain in detail about various phases of Microbial growth.

13. a) Write an essay on HMP shunt & its significance

(Or)

- b) Write in detail about Fermentations.

AWDC - KKD