



ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PREFINAL - EXAMINATIONS

I B.Sc :: II SEMESTER

MICROBIOLOGY

Max. Marks : 75 M

Time: 3 Hours

Date: 26-3-2020

SECTION-A

I. Answer any FIVE of the following questions:

5 x 5 = 25 M

1. Saturated and unsaturated fatty acids.
2. Paper chromatography.
3. Biocatalysis.
4. Microbial Growth.
5. HMP
6. Fermentation.
7. Lipids.
8. ED pathway.

SECTION-B

II. Answer the following questions:

5 x 10 = 50 M

9.a) Explain the classification and characteristics of Disaccharides?

(or)

b) Explain principle & applications of calorimetry?

10. a) Explain the factors affecting catalytic activity of enzymes.?

(or)

b) Explain about Growth media?

11. a) Explain the TCA cycle?

(or)

b) Explain the structures of Nitrogen bases and nucleotides?

12. a) Explain the affinity chromatography.

(or)

b) Explain (i) Co enzymes (ii) cofactors.

13 a) Explain about Microbial nutrition?

(or)

b) Explain the ETC?