



Aditya Group of Degree Colleges
ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PRE-FINAL - EXAMINATIONS

SEMESTER-VI

III B.Sc-BIO-TECHNOLOGY
(Industrial Biotechnology)

Max. Marks : 75 M

Time: 3 Hours

Date: 20-3-2020

SECTION-A

II. Answer any FIVE of the following questions:

5 x 5 = 25 M

1. Natural Media
2. Sterilization
3. Batch culture
4. Beer
5. Amylase
6. penicillin
7. Insulin
8. Vaccines

ADC-RJY

SECTION-B

II. Answer the following questions:

5 x 10 = 50 M

9. a) Write about preservation and Improvement of industrially important Microorganisms?

(Or)

b) What is inoculum ? Write about inoculum preparation?

10. a) What is Bioreactor ? Write about types of bioreactor?

(Or)

b) Write about

i) Fed Batch Culture

ii) Continuous Culture

11. a)i) What is Fermentation? How citric acid produced by this method?

(Or)

b)i) What are Scp? How they can produced?

- 12 a) Write about production and applications of Amylase enzyme?

(Or)

b) Solid state fermentation? How citric acid produced by this Method?

13. a) What is growit Hormone? How it could produced through r DNA technology?

(Or)

b) What are monoclonal Antibodies? How it produced?