



Aditya Group of Degree Colleges
ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PRE-FINAL - EXAMINATIONS

SEMESTER-VI

III B.Sc-BIO-TECHNOLOGY

Date: 26-3-2020

(Plant Biotechnology and animal Biotechnology)

Max. Marks : 75 M

Time: 3 Hours

SECTION-A

I. Answer any FIVE of the following questions:

5 x 5 = 25 M

1. Composition of plant tissue culture media
2. Singel cell clones
3. Haploid plants
4. protoplast
5. Golden rice
6. Growth factors
7. Cell senescence
8. Somatostation

SECTION-B

II. Answer the following questions:

5 x 10 = 50 M

9. a) What is explant? Write about callus culture?

(Or)

- b) Write about plant tissue culture laboratory facilities?

10. a) What is regeneration? Write about direct and indirect regeneration of explant?

(Or)

- b) What is somatic hybridization? Write about various steps in it?

11. a)i) What are transgenic plants ?. Write about Bt cotton

(Or)

- b)i) What is Crown gall disease? Write about Ti-plasmid?

- 12 a) Write about

i) Culture media

ii) Contact inhibition

(Or)

- b) Write about

i) primary cultures

ii) Immortal cells

- 13 a) Write about

i) Insulin ii) Vaccines

(Or)

- b) What is IVF? Describe about it?