



ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PRE FINAL - EXAMINATIONS

III B.Sc VI SEMESTER

APPLIED BIO CHEMISTRY

Max. Marks : 75 M

Time: 3 Hours

Date: 27.03.2020

SECTION-A

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

1. RFLP
2. RNA Silencing
3. Continuous Cell lines
4. Artificial seeds
5. Totipotency
6. Stem cell plasticity
7. Micelles & Liposomes
8. Attenuated Vaccines

SECTION-B

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

9. a) Write briefly about DNA markers used in genetic analysis ?

(Or)

- b) Write the principle and applications of Nano technology ?

10. a) Explain the composition and preparation of plant tissue culture media ?

(Or)

- b) Write briefly about Isolation and Culture of Protoplast

11. a) Write an essay on types and applications of Gene therapy.

(Or)

- b) Explain about tissue and organ culture in detail.

12. a) Write in detail about Embryonic, adult and cord blood stem cells ?

(Or)

- b) Give a brief note on applications of stem cell therapy ?

13. a) Write an essay on new generation vaccines

(Or)

- b) Explain whole organism, live and attenuated vaccines.