



Aditya Group of Degree Colleges
ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

PRE-FINAL - EXAMINATIONS

SEMESTER-IV

II BTMC-MICROBIOLOGY

Max. Marks : 75 M

Time: 3 Hours

Date: 24-3-2020

SECTION-A

I. Answer any FIVE of the following questions:

5 x 5 = 25 M

1. Banemarrow
2. Macrophage
3. Immunoglobulins
4. Monoclonal antibodies
5. Auto immunity
6. Normal flora of human body
7. Antiviral agents
8. Disc diffusion method

SECTION-B

II. Answer the following questions:

5 x 10 = 50 M

9. a) Explain types of Immunity ?.

(Or)

b) Write notes on cells of immune system and their functions?

10. a) Write in detail about types of antigens and factors effecting Antigenicity ?

(Or)

b) Write notes on antigen and antibody interactions?

11. a) Discuss in detail about collection and transport of chemical samples ?

(Or)

b) Write in detail about cultural and biochemical methods for laboratory diagnosis of microbial infections ?

12. a) Explain in detail about Transcription in Bacteria ?

(Or)

b) Explain about Lac Operon model?

13. Explain in detail about Vaccines?

(Or)

b) Write in detail about mechanism of action of anti bacterial agents?