



ADITYA DEGREE COLLEGES KAKINADA

Bacteriology and Virology (MB Major)
II Sem - MID Exam - I

Marks : 60M
Time : 3 hr

SECTION - A

I Answer any FIVE of the Following Questions. 5 X 4 = 20M

1. Types of classification - Numerical, phylogenetic
2. Flagella
3. Bergy's manual of systemic bacteriology
4. Mycoplasma.
5. Chlamydia
6. Fermentative bacteria
7. Anabena
8. Non - Culturables

SECTION - B

II Answer The Following Questions. 4 X 10 = 40M

9. a) Explain about prokaryotic diversity
(or)
b) Explain the ultrastructure of bacteria with a neat labelled diagram.
- 10.a) Write about metagenomics
(or)
b) Explain about Photosynthetic Bacteria
- 11.a) Write about gliding bacteria
(or)
b) Explain the characteristics of Actinomycetes.
- 12.a) Write about extremophiles.
(or)
b) Write about Nitrogen fixing bacteria & explain the mechanism of Nitrogen fixation.