



# ADITYA DEGREE COLLEGES

ANDHRA PRADESH

VI SEMESTER - PREFINAL EXAMINATIONS

III B.Sc - MICROBIOLOGY C-1

Microbial Diagnosis in Health Clinics

Max. Marks : 75

Date: 24.03.2020

Time : 3 Hours

## SECTION - A

ANSWER ANY FIVE OF THE FOLLOWING

5 x 10=50 marks

- 1.a) What is tuberculosis? Describe the characters of the causal agent and discuss the pathogenesis of the disease?  
(or)
- b) Describe the causal agent, laboratory diagnosis, and prevention and treatment of influenza?
- 2 a) Describe the various methods used to collect samples?  
(or)
- b) Describe various methods of transport of clinical samples to laboratory and storage?
3. a) Write Grams staining and Giemsa-staining techniques for examination of clinical samples?  
(or)
- b) Write composition and preparation of culture media for identification of pathogens?
4. a) Explain serological methods for identification of pathogens ?  
(or)
- b) Describe the causal agent, laboratory diagnosis, and prevention and treatment of typhoid?
5. a) How the tests for antimicrobial drug susceptibility are beneficial / Describe serial dilution method?  
(or)
- b) Give a concise account of disk diffusion tests for antimicrobial drug susceptibility?

## Section B

5x5=25

Answer any five of the following

1. Aspergillosis
2. Malaria
3. Transport media
4. Ziehl-Neelson staining
5. Lowenstein-Jensen media
6. ELISA
7. Dengue
8. MIC