



Aditya Educational Institutions
ADITYA DEGREE COLLEGES
ANDHRA PRADESH

VI SEMESTER - PREFINAL EXAMINATIONS

III B.Sc - CHEMISTRY CLUSTER-VIII(C3)

(Pharmaceutical and Medicinal Chemistry)

Max. Marks : 75
Time : 3 Hours

Date: 27.03.2020

SECTION - A

I. Answer any FIVE questions from the following **5X5= 25M**

1. Define pharmacy and pharmacology.
2. What is pharmacophore? Explain with examples.
3. Explain chemical, generic and trade names of any one drug with example.
4. Describe the administration of drugs.
5. Write the synthesis of sulphamethoxazole.
6. Define hypnotics and antipyretics. Give examples.
7. Describe the synthesis of Frusemide.
8. Write a short note on retro virus.

SECTION - B

II. Answer ALL Questions **5X10=50M**

- ADC KKD
9. a) Give a detailed account on pharmacodynamics and pharmacokinetics.
(OR)
b) Explain metabolites and antimetabolites with examples.
 10. a) Discuss the classification of drugs based on their therapeutic activity.
(OR)
b) How drugs are classified according to their structure.
 11. a) Write an essay on β -lactum antibiotics.
(OR)
b) Write about the synthesis and therapeutic activity of chloroquine.
 12. a) Discuss the synthesis of solbutamol.
(OR)
b) Describe the synthesis and pharmacodynamics of Glycerol trinitrate.
 13. a) What do you know about CD-4 and CD-8 cells?
(OR)
b) What are the drugs available for prevention of AIDS? Give their structures.