

Code No: B133102

**R13**

**SET - 1**

**III B.Pharmacy I Semester Regular/Supplementary Examinations, Oct/Nov - 2017**

**MEDICINAL CHEMISTRY-II**

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answering the question in **Part-A** is Compulsory  
3. Answer any **THREE** Questions from **Part-B**

**PART -A**

1. a) Discuss the SAR of Sulphonamides. (4M)
- b) Outline the synthesis of Primaquine and Tinidazole. (4M)
- c) Give the structure and therapeutic uses of Zidovudine. (3M)
- d) Compare Penicillins and Cephalosporins. (3M)
- e) Enlist the therapeutic uses of Folic acid and Vitamin B<sub>2</sub>. (4M)
- f) Add a note on biological role of Vitamin A. (4M)

**PART -B**

2. a) Classify the Antitubercular agents and discuss the treatment regimen for Tuberculosis. (8M)
- b) Make a note on Sulphonamide Combinations and explain their advantage. (8M)
3. a) Write an account on Anti-amoebic agents. (8M)
- b) Discuss the SAR and MOA of benzimidazole derivative of Anthelmintics. (8M)
4. a) Explain the SAR, uses and mode of action of Alkylating agents. (8M)
- b) Classify the Antiviral agents. Make a note on Reverse Transcriptase inhibitors. (8M)
5. a) Give the classification, MOA and uses of Cephalosporins. (10M)
- b) Write the SAR and uses of Penicillins. (6M)
6. a) Give the structure of any eight water soluble Vitamins. (8M)
- b) Discuss the uses and biological role of Vitamin C and Vitamin B<sub>1</sub>. (8M)
7. a) Add a note on Vitamin A. (6M)
- b) Discuss the source, structure, uses and biological role of Vitamin D. (10M)