

**Subject Code: B133102/R13**

**III B. Pharmacy I Semester Supplementary Examinations May - 2017**

**MEDICINAL CHEMISTRY-II**

**Time: 3 hours**

**Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**  
Answering the question in **Part-A** is Compulsory,  
Three Questions should be answered from **Part-B**

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**PART-A**

- (a) Classify the antimetabolites agents used in cancer therapy.  
(b) Write about  $\beta$ -lactamase inhibitors.  
(c) Discuss the synthesis, and uses of dapsone.  
(d) Classify antiamebic agents with example.  
(e) Write the mechanism, uses and toxicity of streptomycin.  
(f) Classify the anti cancer agents with example.

[4+4+4+4+3+3]

**PART-B**

- (a) Classify anthelmintics drugs with example.  
(b) Write synthesis, chemical name, uses and side effect of pyrimethamine.
- (a) Classify the vitamins with example.  
(b) Explain the physiological role and oxidation reaction of vitamin-C.
- (a) Define antibiotics and classify them with examples.  
(b) Write about synthesis, mechanism, uses and toxicity of ampicillin.  
(c) Describe the structure, mechanism, and uses of oxytetracycline.
- (a) Write the synthesis, uses and side effect of carmustine.  
(b) Classify the antiviral agents with example.
- (a) Discuss the SAR and mechanism of action of sulphonamide drugs.  
(b) Write the synthesis, chemical name, uses and toxicity of Isoniazid.
- (a) Explain the interconversion of ergocalciferol from ergosterol.  
(b) Write the structure, physiological role, and uses of retinoic acid.

[6+10]

[6+10]

[5+6+5]

[10+6]

[8+8]

[8+8]

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