

CODE NO: 13171/PCI

**FACULTY OF PHARMACY****M. Pharmacy (Pharmacology) II-Sem. (PCI) (Suppl.) Examination, February 2019****Subject: Advanced Pharmacology-II****Time: 3 Hrs****Max. Marks : 75****Note: Answer Any Five Questions. All Questions Carry Equal Marks**

1. a) Classify oral hypoglycemic drugs. Discuss the mechanism of action, adverse drug reactions and therapeutic uses of sulfonyl ureas (8)  
b) Discuss the mechanism of action and pharmacological actions of thyroid hormones (7)
2. a) Discuss the mechanism of action, adverse drug reactions of any two classes of antibiotics. (4+4)  
b) Discuss the mechanism of action, adverse drug reactions and therapeutic uses of  
i. Acyclovir ii. Zidovudine (4+3)
3. a) Classify immune suppressants. Write the pharmacology of cyclosporine (8)  
b) Discuss abt microtubule damage agents used in cancer therapy (7)
4. Discuss the mechanism of action, adverse drug reactions and therapeutic uses of  
a) Ranitidine b) Sulfasalazine c) Metoclopramide (5+5+5)
5. a) Classify and explain abt hypersensitivity reactions (7)  
b) Discuss abt cellular events of innate immune response (8)
6. a) Write abt the cellular & biochemical mediations of inflammation  
b) Write abt the Pharmacotherapy of asthma and COPD. (8)
7. a) Write short notes on generation of free radicals. (7)  
b) Discuss abt the concept of chronotherapy (8)
8. a) Describe the role of free radicals in etiopathology of neurodegenerative diseases. (7)  
b) Discuss abt recent advances in treatment of cancer (8)

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