

CODE NO: 1213/PCI

**FACULTY OF PHARMACY****M.Pharmacy (Pharmacology) II-Semester (PCI) Main Examination, August 2018****Subject : Advanced Pharmacology-II****Time: 3 Hrs****Max. Marks: 75****Note: Answer Any Five Questions. All Questions Carry Equal marks**

1. (a) What are glucocorticoids? Explain the biosynthesis and mechanism of action of glucocorticoids. (7M)  
(b) Write abt (1) Insulin (2) Prolactin (4+4)
2. (a) Classify penicillin's. Explain their mechanism of action and therapeutic uses. (8)  
(b) Explain the pharmacology of antifungal drugs. (7)
3. Write a note on  
(a) Immunopharmacology (8)  
(b) Immunosuppressants (7)
4. (a) Explain the pharmacology of drugs used in treatment of peptic ulcers. (8)  
(b) What is chrono pharmacology. Explain the applications of chrono pharmacology in various diseases. (7)
5. (a) Explain the role of free radicals in various diseases. (7<sup>1/2</sup>)  
(b) Explain the pathogenesis of Alzheimer's disease (7<sup>1/2</sup>)
6. (a) Discuss the drug therapy for asthma. (8)  
(b) Explain the disease pathology and therapeutic agents for COPD. (7)
7. (a) Write a note on antibacterial resistance (7<sup>1/2</sup>)  
(b) Add a note on antioxidants (5)
8. What is diabetes mellitus? Classify oral hypoglycemic agents. Explain the mechanism of action and therapeutic uses of sulphonylureas and biguanides. (15)

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