



Send up Examination 3<sup>rd</sup> Year MBBS  
Pharmacology & Therapeutics  
(Short Essay Questions)

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F18-143

Roll. No. \_\_\_\_\_

Max Marks: 75

Time allowed: 2 hours

ATTEMPT ALL QUESTIONS.

- Q1. a) What are advantages and disadvantages of Intravenous route of drug administration. 2  
b) Briefly describe the signaling mechanism of G protein coupled receptors. 2  
c) What do you know about enzyme induction, Give examples. 1
- Q2 a) Give therapeutic classification of Anticholinergic drugs. 3  
b) Describe pharmacological actions of Acetylcholine on: 2  
i) Eye ii) GIT.
- Q3. a) Give clinical uses of each of the following drug: 4  
i) Epinephrine ii) Propranolol  
b) Why  $\beta$  blockers are contraindicated in patients of Diabetes Mellitus. 1
- Q4 a) Enlist adverse effects of Thiazide Diuretics. 2  
b) Describe the mechanism of action and clinical uses of Digitalis. 3
- Q5. a) Write down the clinical uses and adverse effects of Captopril. 3  
b) Give Mechanism of Action of Nitroglycerine. 1  
c) Enumerate drugs used in Hypertensive emergencies. 1
- Q6. a) How do the following drugs produce their beneficial effect? 2  
i) Streptokinase in coronary thrombosis. ii) Heparin in acute myocardial infarction  
b) Describe the Mechanism of action and adverse effects of Lovastatin. 3
- Q7. a) What are Clinical uses & complications of Insulin therapy. 3  
b) Describe the Mechanism of Action of Propylthiouracil. 2
- Q8. a) Enumerate Bronchodilators used in treatment of Bronchial asthma. 2  
b) Write down the mechanism of action and adverse effects of Theophylline. 3
- Q9. a) Classify Drugs used in the treatment of Peptic ulcer. 3  
b) Give Mechanism of Action and adverse effects of Omeprazole. 2

- Q10. a) Write down very briefly four pharmacological effects of Morphine. 2  
 b) Describe mechanism of action and toxic effects of Levodopa. 2  
 c) What is Malignant hyperthermia. How it is treated? 1
- Q11. a) Enumerate drugs used for treatment of Status epilepticus. 1  
 b) Write down the Mechanism of action and adverse effects of Tricyclic Antidepressants. 3  
 c) Explain the pharmacological basis for use of Haloperidol in schizophrenia. 1
- Q12. a) Classify antifungal drugs. 3  
 b) Give Mechanism of Action of following drugs. 2  
 i) Chloroquine ii) Isoniazid
- Q13. a) Enumerate beta lactam antibiotics. 1  
 b) Write down the antibacterial spectrum of 3<sup>rd</sup> generation cephalosporins. 2  
 c) Give adverse effects of Gentamicin. 2
- Q14 a) Define the following terms with examples of each:  
 i) Bactericidal drugs ii) Post antibiotic effect 2  
 b) Write down the Mechanism of Action and adverse effects of Ciprofloxacin. 2  
 c) What do you know about Leucovorin rescue. 1
- Q15. a) Enumerate Disease Modifying Antirheumatic drugs. 1  
 b) What are the adverse effects of H1 (histamine) blockers. 1  
 c) Describe the mechanism of action and adverse effects of Allopurinol. 3