

RUHS Second MBBS (Main) Examination Pharmacology Paper -I**Date: January 2017****Time: 3 hours****Max Marks: 40**

Instructions: Attempt all questions. (Use separate answer sheet for each section)

SECTION A

1. Classify Beta Blockers. Discuss mechanism of action, therapeutic uses, and adverse drug reactions of propranolol. (A. 146, 149, B. 275-277) (08)
2. Explain why: (4 x 3 = 12)
 - a) Intravenous corticosteroids are administered before inhalational bronchodilators in patients with status asthmaticus (A. 233, B. 364)
 - b) Dantrolene sodium is used in malignant hyperthermia. Latanoprost is used in wide angle glaucoma
 - d) Anti cholinergic drug and not levodopa is drug of choice in idiopathic Parkinsonism. (A. 426, B. 231)

SECTION B

3. Write short notes on;
 - a) First pass metabolism (A. 27, B. 14)
 - b) Plateau principle Liposomes
4. Give the suitable answer for the following; (1 x 10 = 10)
 - a) Allopurinol is used in chronic gout but not in acute gout (A. 216, B. 1036)
 - b) Atracurium is preferred in patients with hepatic or renal dysfunction. Large dose of lignocaine is needed for infected area. (A. 363, B. 241)
 - d.) Mesalazine is used only as coated or delayed release preparations in ulcerative colitis
 - e) Omeprazole can cause prolonged and complete suppression of acid than Ranitidine (A. 651, B. 621)
 - f) Aspirin should be stopped one week before planned surgery (A. 196, 197, B. 471)
 - g) Morphine sulphate is not absorbed by stomach (A. 476, B. 151)
 - h) Alcohol is not tolerated after disulfiram (A. 394, B. 90)
 - i) Miazepam is used in status epilepticus but not in routine therapy for epilepsy (A. 407, B. 111)
 - j) Selegiline is preferred to other mono amine oxidase inhibitors in patients with Parkinsonism. (A. 431, B. 229)
