

RUHS Second MBBS (Main) Examination Pharmacology Paper -I**Date: January 2015****Time: 3 hours****Max Marks: 40**

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

SECTION -

1. Classify beta-blockers. Discuss the mechanism of action, therapeutic uses and adverse effects of beta-blockers.(A. 145, B. 276, 277)(08)
2. Explain why: (4 x3 = 12)
 - a) Elimination of weakly acidic drugs in alkaline urine(B. 532)
 - b) Carbidopa is used in combination with levodopa in patient with parkinsonism. (A426, B. 231)
 - c) Desmopressin is used in some patient of nocturnal anuresis(A. 597, B.488)
 - d) Omeprazole causes more complex and prolong suppressing gastric acid secretion than famotidine(A. 651, B. 621)

SECTION B

3. Write short notes on;
 - a) Sodium Valproic Acid(A. 417, B.131)
 - b) Atenolol (A. 145, 563, B. 272)
 - c) Factors affecting absorption of a drug(A. 11, B. 13)
4. Pharmacological basis; (1x 10 = 10)
 - a) Ultra short acting action of theopentone sodium
 - b) Use of ethanol in methanol poisoning(A. 395, B. 93)
 - c) Need. of large dose of lignocaine to anesthetize an infected area.(A. 363, B.241)
 - d) Antiplatelet action of aspirin starts earlier than analgesic action, (A. 629, B. 170)
 - e) Latanoprost eyedrop in glaucoma
 - f) Use of sumatriptan in acute attack of migraine(A. 178, B. 333)
 - g) Use of lorazepam in status epilepticus
 - h) Use of mirtazapine in depression
 - i) Use of montelukast in bronchial asthma
 - j) Use of methotrexate in rheumatoid arthritis(A. 862, B. 821)
