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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)
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SECTION -

1. Classify beta-Mockers. 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 sumatripten 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 montelucast in bronchial asthma
j) Use of methotrexate in rheumatoid arthritis(A. 862, B. 821)

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