

**RUHS Second MBBS (Main) Examination****Pharmacology Paper -I Date: January 2016 Time: 3 hours Max Marks: 40**

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

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**SECTION A**

1. Classify drugs used in bronchial asthma. Discuss mechanism of action, adverse effects & clinical status of beta 2 ( 0 2) agonist.(A. 223, B. 357) (08)
2. Explain why: (4 x3 = 12)
  - a) Neostigmine is preferred over physostigmine for the treatment of myasthenia gravis.(A. 120, B. 295)
  - b) Benzodiazepines (BZDs) are preferred over barbiturates as sedative hypnotics. (A. 401, 113)
  - c) Ethanol is used for treatment of methanol poisoning(A. 395, B. 93)
  - d) Levodopa L-DOPA) is combined with carbidopa(A. 429, B. 228)

**SECTION B**

3. Write short notes on;
  - a) Spinal anaesthesia (A. 369, B.240)
  - b) Proton pump inhibitors (A. 651,B. 621)
  - c) Drug antagonism (A. 57, B. 38)
4. Give the suitable answer for the following; (1 x 10 = 10)
  - a) Enumerate mydriatics Ez. Write their two uses(A. 118, B. 1028)
  - b) Define tachyphylaxis. Give suitable examples(A. 70, B. 60)
  - c) Enumerate methods of prolongation of drug action.
  - d.) Write advantages of second generation anti- histaminics over first generation.(A. 166, B. 320, 324)
  - e)Define pharmacogenetics with suitable examples. (A. 65, B. 58)
  - f) Name disease modified antirheumatic drugs. (DMARDs)(A. 210, B. 1039)
  - g) Write advantages of sub lingual route of drug administration. Name the drugs given by this route
  - h)Write the drugs used as pre-anaesthetic medication.(A. 118, 386, B. 105)
  - i) Define bio availability. Mention its clinical significance.(A. 16, B. 11)12)
  - j) Write advantages & disadvantages of fixed dose combination (FDC) of drugs. (A.62)

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