

Date: 01-07-2014

0714 E015

Second Year MBBS Examination

II MBBS Pharmacology Paper 1

Time: 2 hours

Max Marks: 40

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Give an account of any TWO of the following (10)

a) Define prodrug. Describe factors affecting drug metabolism with their clinical significance.

b) Enumerate antiepileptic agents.

Describe mechanism of action &

therapeutic uses of sodium valproate. (A.

417, B.131)

c) Describe therapeutic uses and adverse effects of aspirin.

2. Write Short notes of (any three) (12)

a) Describe briefly with examples; (1)

Therapeutic window phenomena

(2)'Orphan'drugs

b) Write short notes on 'Atropine substitutes

c) Classify agents used for Parkinsonism on the basis of their mechanism of action.

d) Compare and contrast; Ether and Halothene

3. Discuss Any Three (12)

a) Describe briefly mechanism of action and therapeutic uses of nitrates

b) Write short notes on 'Antitussive agents'

c) Describe briefly pharmacological actions and therapeutic uses of Digoxin

d) Classify diuretics. Explain clinical limitations to use of thiazides.

4. Write Answer to the point in two or three sentences; (any six) (6)

- a) Give reasons; Pyridostigmine is preferred to Neostigmine for myasthenia gravis?
- b) Mention merits of combining adrenaline with local anesthetic agents. (A. 363, B. 241)
- c) Justify: Ipratropium bromide is not used as a single agent for acute attack of asthma.
- d) Enlist therapeutic uses of ACE inhibitors. (A. 501, B. 422)
- e) Explain pharmacological basis for the use of fomepizole in methanol poisoning.
- f) Justify, Thiopental sodium is an ultra short acting barbiturate.
- g) Explain pharmacological basis for the use of atorvastatin in hypercholesterolaemia. (A. 635, 637)
- h) Give two examples of (a) inhaled steroids (b) mucolytic agents

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