

Date: 02-07-2016

0716 E015

Second Year MBBS Examination

II MBBS Pharmacology Paper 1

Time: 2 hours Max Marks: 40

Instructions:

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. Write briefly (any two) (10)

a) Classify drugs used in the treatment of dyslipidemia. Describe the mechanism of action, therapeutic uses and adverse effects of atorvastatin.

(A. 635, 637)

b) Classify local anesthetics. Describe mechanism of action, therapeutic uses and adverse effects of lignocaine. (A. 363, B. 241)

c) Classify ACE inhibitors. Describe mechanism of action, therapeutic uses and adverse effects of enalapril. (A. 501, B. 422)

2. Write briefly (any three) (12)

a) Preanesthetic medication (A. 118, 386, B. 105)

b) Compare and contrast atenolol and metoprolol (A. 145, 563, B. 272)

c) Drug treatment of organophosphorous poisoning (A. 110, B. 289)

d) Pharmacological factors affecting bioavailability. (A. 16, B. 11, 12)

3. Write briefly (any three) (12)

- a) Leukotriene antagonists(A. 228, B. 360)**
- b) Compare and contrast ibuprofen and etoricoxib (A.206)**
- c) Sodium valproate(A. 417, B. 131)**
- d) Mivacurium (A. 354)**

4. Answer in one or two sentences (any six): (6)

- a) Pharmacological basis for the use of levodopa and carbidopa in parkinsonism**
- b) Pharmacological basis for the use of aspirin and clopidogrel in ischemic heart disease**
- c) Pharmacological basis for the use of ipratromium bromide in COPD patients**
- d) Pharmacological basis for the use of furosemide and spironolactone in patients with ascites and edema (A.**

559, 579)

- e)** Pharmacological basis for the use of pilocarpine in acute congestive glaucoma. (A.155, B. 1028)
- f)** Pharmacological basis for the use of tamsulocin in benign hypertrophy of prostate
- g)** Pharmacological basis for the use of zolpidem in sleep onset insomnia
- h)** Pharmacological basis for the use of nitrates and calcium channel blockers in angina patients

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