

Date: 01-01-2018

0118 E047

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) Factors affecting bioavailability of drugs. (A. 16, B. 11, 12)

b) Classify skeletal muscle relaxants.

Describe mechanism of action, clinical

users and adverse effects of any of them.

c) Classify sedative hypnotics. Describe the mechanism of action, clinical uses and adverse of benzodiazepines

2. Write briefly (any three) (12)

a) Microsomal enzyme induction(A. 26, B. 30)

b) Inhalational corticosteroids

c) Drugs used for open angle glaucoma

d) Drugs for controlling hypertension in pregnancy

3. Write briefly (any three) (12)

a) Intravenous anesthetics

b) Pharmacotherapy of Alcohol withdrawal

c) Adverse effects of loop diuretics

d) Half-life of drugs

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

a) Pharmacological basis for use of beta blockers in heart failure

b) Anticholinergic drug usage

in neurodegenerative diseases

- c) Pharmacological basis for use of oral anticoagulants in preventing deep vein thrombosis.**
- d) Clinical uses of prostaglandin analogues**
- e) Advantages and disadvantages of fixed dose combination of drugs**
- f) Disease modifying drugs in Rheumatoid arthritis**
- g) Zero order elimination kinetics**
- h) Oral iron chelating agents**