

0714 E014

**Second Year MBBS Examination
II MBBS Pharmacology Paper 2**

Time: 2 hours

Max Marks: 40

Date: 07-07-2014

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) Describe briefly therapeutic uses and adverse effects of insulin.
 - b) Describe briefly mechanism of action, therapeutic uses and adverse effects of cotrimoxazole.
 - c) Classify anticoagulants. Describe briefly therapeutic uses and drug-drug interactions of warfarin.

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

- a) describe briefly with clinical significance pharmacological effects of glucocorticoids on cardiovascular and immune system.
- b) Define 'Prokinetic'. Describe mechanism of action and adverse effects of metoclopramide.
- c) Classify agents used for HIV infection on the basis of their mechanism of action.
- d) Compare and contrast: first generation and third generation cephalosporins

3. Discuss Any Three (12)

- a) Describe briefly pharmacotherapy of acute intestinal amoebiasis.
- b) Write short notes on 'Selective estrogen receptor modulators'.
- c) Explain with examples artemisinin based combination therapy in malaria.
- d) Enumerate topical antifungal agents. Write short notes on "Griseofulvin"

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

- a) Mention instructions given to a patient being prescribed rifampicin for tuberculosis.
- b) Enlist demerits of mesoprostol as an antiulcer agent.

- c) Explain pharmacological effects of oxytocin on uterus.
- d) Justify: Clavulanic acid is a "suicide inhibitor."
- e) Give reasons that sorbitol is not suitable for intravenous use.
- f) Justify; Imipenem is combined with cilastatin for its use in clinical practice.
- g) Mention therapeutic implications of estrogen-progesterone combination pills.
- h) Give examples of four antibacterial agents causing superinfection.