

24225

03 Hours / 80 Marks



20221

Seat No.

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Instructions –

- (1) All Questions are *Compulsory*.
- (2) Answer each next main Question on a new page.
- (3) Illustrate your answers with neat sketches wherever necessary.
- (4) Figures to the right indicate full marks.
- (5) Assume suitable data, if necessary.
- (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any SIX of the following:

30

- a) Define Drug absorption. Explain the physiological factors affecting drug absorption.
- b) Classify Anti-arrhythmic Drugs. Write side effects and Therapeutic uses of Quinidine.
- c) Define and classify Anti-emetics. Write down therapeutic applications of antiemetics.
- d) Define and classify oral Hypoglycemic agents. Write side effects of Insulin.
- e) Define and classify Anti-Neoplastic agents with examples.
- f) Define Analgesics and antipyretics. Classify Non steroidal Anti-Inflammatory Drugs.
- g) Classify General anaesthetics. Write down properties of Ideal General Anaesthetics.

2. Attempt any TEN of the following:

30

- a) Classify Anti-hypertensive Drugs with eg.
- b) Define and classify parasympathomimetics.
- c) Define coagulants and anticoagulants. Write two therapeutic uses of anticoagulants.
- d) Write three advantages and disadvantages of parenteral route of drug administration.
- e) Define and classify Sedatives and Hypnotics.
- f) Define and classify anti-asthmatic drugs.
- g) Define and classify diuretics with examples.
- h) Explain Mechanism of action and T. uses of penicillin.
- i) Define anti-histaminics. Write side effects and therapeutic uses of H₁-Receptor antagonists.
- j) Define and classify Antithyroid Drugs. Write contraindications of corticosteroids.
- k) Explain why Tetracycline is contra-indicated with milk.

P.T.O.

**3. Attempt ALL questions of the following:**

- a) The effect of one drug is opposed by another by occupying same receptors is called as –
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|----------------|-----------------|
| i) Antagonism | ii) Synergism |
| iii) Tolerance | iv) Cumulation. |
- b) Give example of sympathomimetic drug.
- c) The drug of choice in treatment of Glaucoma is _____
- d) Write the drug of choice in the treatment of myasthenia gravis.
- e) _____ is examples of B-receptor blockers.
- f) Which of the following is a mydriatic drug –
- | | |
|--------------------|------------------|
| i) Atropine | ii) Pilocarpine |
| iii) Acetylcholine | iv) Neostigmine. |
- g) Write therapeutic uses of Morphine.
- h) Give two examples of centrally acting muscle relaxants.
- i) _____ is the example of MAOI.
- j) Write route of administration of Digoxin.
- k) Define Haematinics.
- l) Define Antacids.
- m) Give two examples of anti-diuretic hormones.
- n) Write route and dose of Insulin.
- o) State what is Calcitonin.
- p) Define Histamine.
- q) What is formula for Therapeutic Index.
- r) This drug is contraindicated in pregnancy –
- | | |
|-----------------|------------------|
| i) Paracetamol | ii) Tetracycline |
| iii) Folic acid | iv) Methyl dopa. |
- s) Define Biologicals.
- t) Give two examples of biological agents.
