

23242

3 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) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
  - (6) In case student has attempted subquestion of Question No. 3, more than once, only first attempt should be considered for assessment.

**Marks**

**1. Attempt any SIX of the following:**

**30**

- a) Define drug absorption and drug distribution. Explain two mechanisms of drug absorption with examples.
- b) Classify parasympathomimetics with examples. Why is acetylcholine not used in clinical practice?
- c) Classify general anesthetics with examples. Describe various stages of general anesthesia.
- d) Classify antihypertensive agent with examples. Give mechanism of action of ACE inhibitors.
- e) Classify antiulcer agents. Why is aluminium hydroxide combined with magnesium hydroxide in antacid formulations nowadays?
- f) Differentiate between sulfonylureas and biguanides. Why insulin is not administered orally to diabetic patient?
- g) Explain broad-spectrum antibiotics with examples. Why is amoxicillin given in combination with lactobacillus in pediatrics?

**2. Attempt any TEN of the following:**

**30**

- a) Explain sublingual route with example of drugs. Give its advantages.
- b) Classify NSAIDs with examples of drugs.
- c) Define tranquilizers. Why is chlorpromazine marketed under the brand name Largactil?
- d) What is atherosclerosis? Explain the drugs used in treatment of atherosclerosis.
- e) Define hematinic. Why are vitamin B12 injections given in pernicious anaemia?
- f) Define bronchodilators. Explain management of status asthmaticus.
- g) Give classification and therapeutics uses of diuretics.
- h) Define oral contraceptives. Explain mechanism of action of hormone based oral contraceptives for females.
- i) Define autocooids. Explain triple response of histamine.
- j) Classify anticancer agents with examples of drugs.
- k) Explain DOTS therapy. Why is pyridoxine supplementation given in combination with isoniazid?

P.T.O.

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

- a) Define placebo effect.
- b) Write two drugs used in treatment of shock.
- c) Streptokinase is used as?
  - i) Antimalarial agent
  - ii) Antimicrobial agent
  - iii) Fibrinolytic agent
  - iv) Antidepressant agent
- d) Corticosteroids are used in treatment of \_\_\_\_\_.
  - i) Bronchial asthma
  - ii) Allergic diseases
  - iii) Rheumatoid arthritis
  - iv) All of the above
- e) ORS stands for \_\_\_\_\_.
  - i) Oral Retention Salt
  - ii) Osmotic Rehydration Salt
  - iii) Oral Rehydration Salt
  - iv) Osmotic Retention Salt
- f) Diazepam is \_\_\_\_\_.
  - i) Antianxiety drug
  - ii) Muscle relaxant
  - iii) Antiepileptic drug
  - iv) All of the above
- g) Which of the following drugs is a carbonic anhydrase inhibitor?
  - i) Furosemide
  - ii) Amiloride
  - iii) Spironolactone
  - iv) Acetazolamide
- h) Give two therapeutic uses of Propranolol.
- i) Give one example of neuromuscular blocking agents and local anaesthetic.
- j) Define nootropics.
- k) Write side effects of atropine and aspirin.
- l) Give two drug used in treatment of glaucoma.
- m) Write therapeutic use of ondansetron.
- n) Define biological product.
- o) Write therapeutic use of Metronidazole.
- p) \_\_\_\_\_ drug is contraindicated in anaphylactic shock.
- q) \_\_\_\_\_ and \_\_\_\_\_ are two examples of biological products.
- r) \_\_\_\_\_ is a mydriatic.
- s) TCA drugs stands for \_\_\_\_\_.
- t) Therapeutic use of propylthiouracil is \_\_\_\_\_.