

0813

21718

3 Hours / 80 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.  
(2) Answer each next main Question on a new page.  
(3) Figures to the right indicate full marks.  
(4) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. Define any EIGHT of the following terms with two examples each:

16

- a) Mydriatics
- b) Purgatives
- c) Diuretics
- d) Sympathomimetics
- e) Contraceptives
- f) Antiemetics
- g) Narcotics
- h) Antiseptics
- i) Plasma expander
- j) Antibiotics

P.T.O.

**2. Attempt any FOUR of the following:****12**

- a) What are parenteral route of administration? Give its advantages and disadvantages.
- b) Define drug absorption. Explain various process of drug absorption.
- c) Define and classify sedative and hypnotics with suitable examples.
- d) Discuss mode of action and therapeutic uses of sympatholytics.
- e) Write the pharmacological actions of quinine.
- f) What is tuberculosis? Explain chemotherapy of tuberculosis.

**3. Attempt any FOUR of the following:****12**

- a) Mention any one drug contraindicated in:
  - (i) Hyperacidity
  - (ii) Head injury
  - (iii) Insomenia
  - (iv) Liver damage
  - (v) Constipation
  - (vi) Pregnancy
- b) Give the dose of following drugs:
  - (i) Aspirin
  - (ii) Morphine hydrochloride
  - (iii) Ibuprofen
  - (iv) Dapsore
  - (v) Ranitidine
  - (vi) Castor oil
- c) Name the drug of choice in following conditions:
  - (i) Anxiety
  - (ii) Schizophrenia
  - (iii) Gout
  - (iv) Glaucoma
  - (v) Raynaud's disease
  - (vi) Pernicious anemia

- d) Write route of administration of following drugs:
- (i) Diazepam
  - (ii) Mannitol
  - (iii) Mebendazole
  - (iv) Nitroglycerin
  - (v) Insulin
  - (vi) Heparin
- e) Name one drug each which produces following effects:
- (i) Anaphylaxis
  - (ii) Cinchonism
  - (iii) Grey baby syndrome
  - (iv) Anaphylaxis
  - (v) Bone and teeth deformity
  - (vi) Agranulocytosis
- f) Mention Antidote with its mechanism in case of poisoning due to:
- (i) Barbiturates
  - (ii) Heavy metals
  - (iii) Digitalis

**4. Attempt any FOUR of the following:**

**12**

- a) Define and classify Haematinics with examples.
- b) Define autocooids. What is triple response of histamines?
- c) Discuss mode of action of diuretic drugs.
- d) Define local anaesthetics. Classify with example.
- e) Mention different types of tumors. How cancer is treated in different ways?
- f) Give symptoms and treatment for organophosphorus compound poisoning.

**5. Attempt any FOUR of the following:****12**

- a) What is sublingual route of administration? Give its advantages and disadvantages.
- b) Define and classify antihypertensives with examples.
- c) What is diabetes? Differentiate between sulfonyl ureas and biguanides.
- d) Classify non steroidal anti inflammatory drugs.
- e) Define and classify synergism with examples.
- f) What is parkinsonism? Give its treatment.

**6. Give reasons for any FOUR of the following:****16**

- a) Why toxicity studies are carried out on all medicines?
  - b) Aspirin is not given in peptic ulcer.
  - c) Cheese and butter is contraindicated during MAO inhibitor therapy.
  - d) Chloremphenicol therapy is supplemented with iron preparation.
  - e) Lactobacillus is given with some antibiotics.
  - f) Aluminium hydroxide and magnesium hydroxide are given in combination.
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