

QP Code : 21800

(3 Hours)

[ Total Marks : 70

- N.B. : (1) All questions are compulsory.  
(2) Figures to the right indicate full marks.

1. (a) Answer the following :- 12
- (i) Classify antiepileptics.
  - (ii) Comment on 'Cheese reaction' that may occur in patient on monoamine oxidase (MAO) inhibitor therapy.
  - (iii) Describe the action of serotonin on the gastrointestinal tract.
  - (iv) Explain the role of montelukast in pharmacotherapy of asthma.
  - (v) What are the disadvantages of systemic antacids.
  - (vi) Write a brief note on oral rehydration therapy in management of diarrhoea.
- (b) Answer the following : 3
- (i) Define 'sedative'. Give an example.
  - (ii) Enlist adverse effects of first generation anti-histaminics.
  - (iii) Give mechanism of action of docussates.
2. (a) Answer any two of the following :- 8
- (i) Describe the actions of chlorpromazine in psychosis. Describe its mechanism of action and adverse effects.
  - (ii) Classify antidepressants. Describe pharmacology of imipramine.
  - (iii) Discuss pharmacotherapy of Alzheimer's disease.
- (b) Answer any one of the following :- 3
- (i) Describe the mechanism of action of local anaesthetics. Compare ester and amide local anaesthetics.
  - (ii) Write a short note on preanaesthetic medications.
3. (a) Write a short notes on any two :- 8
- (i) Pharmacotherapy of gout
  - (ii) Pharmacology of aspirin
  - (iii) Pharmacotherapy of asthma
- (b) Answer any one of the following :- 3
- (i) Describe biosynthesis of serotonin. Add a note on uses of drugs acting on the serotonergic system.
  - (ii) Compare Cyclooxygenase 1 and 2.

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4. (a) Write a short note on any two :- 8  
(i) Prokinetic agents  
(ii) H<sub>2</sub> antagonists  
(iii) 5HT<sub>3</sub> antagonists as antiemetics  
(b) Write short notes on any one :- 3  
(i) Sulfasalazine  
(ii) Irritant purgatives.
5. (a) Answer any two of the following :- 8  
(i) Classify anti-parkinson's drugs. Describe role of Levodopa in management of Parkinson's disease.  
(ii) Describe mechanism of action of benzodiazepines. Justify why they are considered to be better than barbiturates as sedative-hypnotics.  
(iii) Describe pharmacological actions of ethanol.  
(b) Write a note on any one :- 3  
(i) Valproic acid  
(ii) Selective Serotonin Reuptake Inhibitors
6. (a) Answer any two of the following :- 8  
(i) Describe pharmacology of morphine.  
(ii) Write a note on symptoms and management of methanol poisoning.  
(iii) Describe symptoms and management of lead poisoning.  
(b) Write a short note on any one :- 3  
(i) Platelet activating factor  
(ii) Acetaminophen