B. Pharm.

(SEM. VIII) EXAMINATION, 2006-07

PHARMACOLOGY - IV

Time : 3 Hours] [Total Marks : 80

Notes :  (1) Attempt all the questions.
(2) All questions carry equal marks.

1. Answer any four of the following :  \(4 \times 4 = 16\)
   (a) Define clinical pharmacy. Discuss the objective and scope of clinical pharmacy.
   (b) What is the difference between linear and non-linear kinetics ?
   (c) Discuss with examples why individualisation of drug therapy is required.
   (d) Discuss the factors which affect drug therapy in paediatrics.
   (e) Write about 'prodrug' as a drug delivery system.

2. Answer any four of the following :  \(4 \times 4\)
   (a) Write note on teratogenicity.
   (b) Explain why drug interactions are of great importance in drug therapy with examples.
   (c) Discuss general principles of management of poisoning.

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(d) Discuss significance of estimation of cholesterol.
(e) Discuss drug therapy for the management of diabetes in pregnancy.
(f) What do you mean by drug induced diseases. Discuss drug induced liver diseases.

3. Attempt any two of the following : $8 \times 2$
   (a) Give rational for the use of the following :
       (i) Phenytoin is preferred over quinidine in digitalis induced cardiac arrhythmia.
       (ii) Atenolol in hypertension.
       (iii) Salbutamol in Bronchial asthma.
       (iv) Carbidopa with levodopa in parkinsonism.
   (b) Discuss the drug options and management of epilepsy.
   (c) Discuss sign and symptoms and management of angine pectoris.

4. Attempt any two of the following : $8 \times 2$
   (a) Write in brief about pharmacotherapy of ulcerative colitis.
   (b) Write about the management of pulmonary tuberculosis.
   (c) Discuss the management of asthma.

5. Attempt any two of the following : $8 \times 2$
   (a) What are the various ways of monitoring drug therapy in individual patient.
   (b) Write note on essential drugs.
   (c) Write about pathophysiology of gout and hyperuricaemia.