

**Fifth Semester Examination for the Degree  
of Bachelor of Pharmacy**

**CLINICAL PHARMACY**

**5 – T – 5**

Time : Three Hours ]

[ Max. Marks : 80

- N. B. : (1) Question No. 1 is compulsory.  
(2) Solve any **four** questions from the remaining.  
(3) Draw neat labelled diagram wherever necessary.

1. Solve any **five** of the following :—

- Define clinical pharmacy. Give objectives and goals of clinical pharmacy.
- Write significance and interference of diagnostic tests for renal functions.
- Define poison. Give types and classification of poison.
- Write in short about ambulatory patient care.
- Write role of pharmacist in minimizing drug interaction.
- Write note on drug and drug poison centre.
- Write diagnostic tests for liver functions.

5 × 4 = 20

2. Define drug interaction. Give its types. Write in detail about mechanism of pharmacokinetic drug interaction.

15

- Define adverse drug reaction ( ADR) Write in detail about factor causing ADR, detection and reporting of ADR. 10
  - Enlist five examples of food drug interaction along with its consequences. 5
- Explain in detail about therapeutic drug monitoring. 10
  - Write note on acute, subacute and chronic toxicity. 5
- Give detail account of sign, symptoms and treatment of Acute and chronic poisoning due to alcohol and heavy metals. 15
- Explain in detail about drug induced liver toxicity and Nephrotoxicity along with examples. 15
- Write short notes on (any **two**) :—
  - Pharmaco economics.
  - Insecticides poisoning.
  - Computer application in clinical pharmacy services.
  - Drug induced cardiovascular diseases. 15