

**B. Pharm. Fifth Semester (C.B.S.) Examination**  
**CLINICAL PHARMACY**  
**Paper-5**

Time : Three Hours]

[Maximum Marks : 80

**N.B. :**— (1) Question No. **1** is compulsory.

(2) Attempt any **FOUR** questions from the remaining.

(3) Draw neat labelled diagram wherever necessary.

(4) Discuss the reaction, mechanism wherever necessary.

1. (a) Give the treatment of heavy metal poisoning.
- (b) Give the drug interaction : MAO inhibitor —Tyramine and Biscicodyl–Antacid.
- (c) Write a note on oximes.
- (d) Give the formulas to assess renal function and adjust medication dosage.
- (e) What are the methods of detection of ADR ?
- (f) What are the need and criteria for valid TDM ?
- (g) Explain about renal function test. 5×4=20
2. What are different mechanisms used by agents of recognized potential for interactions in patients receiving multiple drug therapy ? 15
3. (a) What are the analytical aspects of therapeutic drug monitoring ? 10
- (b) Write a note on liver function test. 5
4. (a) What are the various ways in which adverse drug reaction manifest themselves ? 10
- (b) What are the essential aspects followed by pharmacist during ambulatory patient care ? 5

5. Elaborate—pharmacoeconomics is an innovative method that aims to decrease health expenditure whilst optimizing health care results. 15
6. (a) Explain in detail about mechanisms of drug induced nephropathy. 6  
(b) Write a detailed note on acute oral toxicity study. 5  
(c) Give the general treatment of poisoning. 4
7. Write notes on (any **three**) :
- (a) Snake bite poisoning and treatment  
(b) Diagnostic test for cancer  
(c) Drug induced liver toxicity  
(d) Role of pharmacist in clinical pharmacy practices  
(e) Untoward effects of cardiovascular drugs. 5×3=15