

QP Code: 104329

Reg No:

**First Year M.Pharm Degree Examinations (Supplementary)- November 2012
(Pharmaceutical Analysis)**

Paper IV - Clinical Chemistry and Toxicological Analysis

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(2x20 =40)

1. Discuss in detail about handling of specimen for toxicological testing. Discuss about the metabolic pathways of any two common poisons.
2. Explain the applications of TLC and GC in screening of poisons with suitable examples. How following are estimated. • phenobarbitone • ethanol

Short Essays:

(6x10=60)

3. Explain the types of testing employed to detect drugs of abuse
4. How following are estimated: • methotrexate • digoxin
5. Mention the normal values of serum bilirubin. Under what circumstances its levels are altered. How serum creatinine is measured.
6. Mention the normal values of blood sodium and what does the abnormal values indicate. How its levels are measured.
7. Enlist ten common poisons. Mention the clinical syndromes in case of poisoning and recommended antidotes.
8. How following are estimated. • valproic acid • salicylic acid
