

Q.P Code:3294

Reg No:

M Pharm Part I Degree Examinations - June 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. Explain the determination of serum bilirubin, serum alkaline phosphate, SGOT and S3PT, blood glucose and serum cholesterol in blood.
2. Explain how various anabolic steroids are estimated in blood samples.

Short Essays

(6 x10=60)

3. Explain the analytical procedures used for estimation of phenytoin and methanol in blood samples.
4. Describe various qualitative tests used for identification of commonly encountered poisons. Add a note on various method used in estimation of toxic substances in biological samples.
5. Explain the TDM and explain how it is useful in drug abuse and toxicological studies.
6. Explain how TLC and HPTLC are useful in identification of toxic substances with suitable examples.
7. Explain the role of choline esterase. Add a note on detoxification of phenobarbitone alcohol
8. Explain the analytical procedures used for estimation of theophylline and carbamazepine
