SEMESTER – V

CLINICAL & IMMUNOBIOCHEMISTRY

PRACTICAL

Programme: B.Sc. **Max. Hours: 45**
Course Code: U20/BIC/DSC/501/P **Hours per week: 3**
Course Type: DSC – 5 **Max. Marks: 50**
No. of credits: 1

Course objective:

Prepare students for clinical and immunological techniques used to study various aspects of human body.

Course Outcomes:

CO1: Estimate and analyse the abnormal concentrations of various components in the blood and metabolites in the urine

CO2: Enhance the skills of immunological techniques to test infectious diseases

PRACTICAL SESSIONS

1. Determination of Rh and Blood Group Typing
2. Blood Pressure Measurement by Sphygmomanometer
3. Estimation of Hemoglobin by Sahli'sand Drabkin'sMethod
4. Estimation of Creatinine in urine
5. Estimation of Creatine in urine
6. Estimation of Serum Iron
7. Estimation of Serum Phosphorus
8. Estimation of Serum Urea
9. Estimation of Serum Cholesterol
10. Qualitative Analysis of Urine
11. OuchterlonyImmunodiffusion Technique
12. Immuno Electrophoresis
13. Dot ELISA, WIDAL, VDRL Test

MODEL QUESTION PAPER

PRACTICAL

Course Code: U20/BIC/DSC/101/P **Max Time: 2 Hrs**
Credits: 1 **Max. Marks: 50**

Answer the following

1. Write the principles for the given experiments. 2 x 5 = 10 M

   a)

   b)

2. Quantitatively estimate the given sample using the appropriate method. Plot the calibration curve for the standard. Identify the concentration for the given unknown sample. 20 M

3. Identify the abnormal constituents present in the given sample 10 M

4. Viva 5 M

5. Record 5 M