**CHEMISTRY - MODEL PAPER**

**THREE YEAR B.Sc, DEGREE EXAMINATION**

$3^{rd} $**YEAR B.Sc EXAMINATIONS**

**SEMESTER – VI**

**PAPER – VIII–A-3: ANALYSIS OF DRUGS, FOODS, DAIRY PRODUCTS &**

**BIO–CHEMICAL ANALYSIS**

**Time : 3 hours Maximum Marks : 75**

**PART – A**

Answer any **FIVE** of the following questions

 Each Question carries **FIVE** marks **5 x 5 = 25 Marks**

1. Write the structure and molecular formula of Aspirin and paracetamol ?

2. Define what is meant by a drug ,infections and infestations?

3. Explain what is the role of antihistamine drugs and sedatives?

4. Explain the importance the drug Lansoprazole in prevention of production of acids in stomach?

5. Write a brief note on the drug Lipitor ( atorvastatin) which prevents the production of cholesterol ?

6.Define what is meant by preservatives give suitable examples?

7. How do you know the adulterants in rice, wheat and wheat floor?

8. Explain what is meant clinincal analysis and discuss its role in blood analysis ?

**PART – B**

Answer **ALL** the questions

 Each Question carries **TEN** marks  **5 x 10 = 50 Marks**

 09.(a) Define antimalerials , write the structure and preparation of chloroquine?

**(OR)**

 (b) Write the preparations of Amoxycillin and tetracycline?

 10.(a) Write the formula and preparation of alprazolam and diazepam ?

**(OR)**

 (b) Write the structure and analysis of allegra and lorazepem?

11. (a) Define what is meant by Epileptic and anti convulsant drugs ? write the analysis method of

 phenobarbital?

**(OR)**

 (b) Write the preprative methods of atenolol and triamterene?

12.(a) How do you estimate acidity , fat content and Lactose in milk?

**(OR)**

 (b) Describe the importance of flavoring agents namely vanilla, isoamyl acetate and ethyl propionate

 in milk and milk products ?

13. (a) Define what is meant by clinical analysis of blood and how do you estimate trace elements in the

 Blood?

**(OR)**

 (b) Write the composition of blood, how the glucose, cholesterol and enzymes in blood is estimated?