



## Assignment for DEC 2022

### MA Chemistry (Final)

सभी प्रश्नों के उत्तर दें।

प्रत्येक प्रश्न के उत्तर अधिकतम 800 शब्दों में दें।

अंकभार:- 30%

#### Paper 9

1. What is spectroscopy? Explain absorption and emission spectra..
2. Discuss the factors which affect the IR absorptions frequency of a functional group..
3. Explain Raman effect on the basis of quantum theory. How is this theory superior to the classical theory of Raman effect?

#### Paper 10

1. What is biological cell and its structure? Explain.
2. Describe the mechanism of enzyme activity?
3. What is nomenclature and classification?

#### Paper 11

1. Describe the contents of chloride, sulphates phosphates, nitrate and micro-organism.
2. Explain the Distillery and Drugs?
3. Explain the experimental factors & thermal gravimetric analysis.

#### Paper 13

1. What are the various application of organ lithium compounds?
2. Write a short note on oxidation of phenol.
3. What are the three pathways for reduction?

#### Paper 14

1. Explain the Monocyclic Monoterpenes.
2. What are vitamins? Give the detail of general properties of the Vitamins.
3. Explained the detailed structure of the testosterone.

#### Paper 15

1. What are the local anti- infective agents?
2. Define and classify Psychoactive Drugs.
3. Discuss the structure of Quinoline.

**\*Assignment जमा करने की अंतिम तिथि:-15.12.2022**