

**Name of the Course** : Organic Chemistry(Core Course – 10)

**Semester / Year** :4<sup>th</sup> SEM

**Subject** : Chemistry

**Paper** : CC10

Theory (Part-A)

**Paper / Unit:**

1. Write a Short Note on retrosynthetic analysis (definition, disconnections, synthons etc) with examples.
2. Critically comment on protection-deprotection strategy in organic synthesis (alcohol, amine, carbonyl, and acid).
3. Write a Short Note on Baeyer-Villiger oxidation.
4. Write a Short Note on Fries rearrangement.
5. Discuss the basic principle of IR Spectroscopy.
6. Describe Hinsberg's method of separation of amines.

**Part B**

Answer any one question

1. Explain the procedure of estimation of glucoses by titration using Fehling's solution
2. Write down the principle and methodology of the estimation of vitamin C.
3. Explain the procedure of estimation of formaldehyde.
4. Explain the procedure of estimation of urea.

Candidates are required to give their answer in their own words (limit: 250 words) as far as practicable.

**Answer script should be sent to the following emails**

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