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**SUBJECT CODE NO: -BB-2389**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. (CBCGS)(Pattern 2022) T.Y SEM V**  
**Examination November / December 2024**  
**Chemistry-XVII Organic Chemistry**

**[Time: 1:30 Hours]****[Max. Marks:40]**

N. B

- i) Please check whether you have got right question paper.
- ii) All questions are compulsory

**Q.1 Solve the following**

10

- a) What is Beckmann rearrangement?
- b) Explain in brief one group disconnection.
- c) Give classification of carbohydrates
- d) What is anomer?
- e) Give classification of proteins based on functions.

**Q.2 Solve any four of the following**

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- a) Describe mechanism of Baeyer Villager reaction.
- b) Write a note on lithium aluminium hydride.
- c) Explain retrosynthetic analysis of cyclohexene and give synthetic route of it.
- d) What is amino acids? How are they classified?
- e) Give Structural organization of primary proteins.

**Q.3 Solve any two of the following**

8

- a) Write a note on types of rearrangement.
- b) Explain retrosynthetic analysis of Crotonaldehyde and give forward synthesis of it.
- c) Describe reaction of amino acid

**Q.4 Solve any two of the following**

10

- a) Write a note on DIBAL-H.
- b) Explain in detail mutarotation
- c) Describe Edman's reagent application.

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