https://www.rgpvonline.com

Total No. of Questions : 8] *[Total No. of Printed Pages : 2*

Roll No .....

PY-114-CBCS

B.Pharmacy, II Semester (Non-PCI Scheme)

Examination, June 2020

Choice Based Credit System (CBCS)

Pharmaceutical Chemistry - II

(Organic Chemistry - I)

Time : Three Hours

Maximum Marks: 60

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. What is free Radical substitution reaction? Discuss stability, structure and fate of free radicals.

2. Define enantiomers and diastereomers. Discuss cis and trans involving double bond with suitable examples.

3. Discuss the reactions, generation and stability involving carbenes and nitrenes.

4. Differentiate E1 and E2 reaction with their kinetics, order of reactivity of alkyl halides. Explain factors affecting E1 and E2 reactions.

5. Give the method of preparation of alkyl halides. Discuss about SN1 and SN2 reactions.

https://www.rgpvonline.com

https://www.rgpvonline.com

6. What is optical activity? Discuss racemic modification, D and L configuration of carbohydrate.

7. Define carbocation? Why is the relative stability of radicals different than that of carbocations with suitable examples

8. Write short note on any three of the following.
   a) Method of resolution of optical purity
   b) Stability and reaction of carbanion
   c) Bond making and breaking process
   d) Chemistry of carbonyl compounds.

******

https://www.rgpvonline.com