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Roll No .....

PY-401-CBCS

B.Pharmacy IV Semester (Non-PCI Scheme)

Examination, June 2020

Choice Based Credit System (CBCS)

Pharmaceutical Chemistry - IV

(Organic Chemistry - III)

Time : Three Hours

Maximum Marks : 75

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. Differentiate between meso structure and racemic modification. Briefly write on resolution method for racemic mixture.

2. Discuss with example enantiomer,diastereomer. Write about RS system of nomenclature.

3. How heterocyclic compounds are classify and write nomenclature system for heterocyclic compounds.

4. Discuss the synthetic procedure for quinoline and isoquinoline derivatives and their medicinaluses.

5. Write about the synthesis reactions and medicinal uses of Pyridine and Pyrimidine.

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6. Write briefly about the following reactions and their importance: Wolff Kishner Reduction, Claisen Schmidt Condensation and Beckmann Rearrangement.

7. Write synthesis, reaction and relative aromaticity of Pyrrole, Furan and Thiophene.

8. Write short notes on any three of the followings.
   a) NaBH4 and LiAlH4 reduction
   b) Describe different method for determination of geometrical isomer configuration.
   c) Optical activity
   d) Reaction and synthesis of Indole

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