

Roll No

BP-301 T (CBGS)**B.Pharm., III Semester (PCI Scheme)**

Examination, December 2017

Choice Based Grading System (CBGS)**Pharmaceutical Organic Chemistry-II***Time : Three Hours**Maximum Marks : 75*

- Note:* i) Attempt any five questions.
 ii) All questions carry equal marks.
 iii) Draw neat and well labeled diagrams wherever necessary.

1. Explain aromaticity and resonance in benzene. Write mechanism and uses of Friedel crafts alkylation and Friedel crafts acylation.
2. Discuss basicity of amines, effect of substituents on basicity and synthetic uses of diazonium salts.
3. How Saponification value, Ester value and Iodine value calculated? Give significance of Reichert Meissl (RM) value.
4. Discuss hydrolysis, hydrogenation and rancidity of oils; also differentiate between fats and oils.
5. Give synthesis, reactions and medicinal uses of Phenanthrene, Anthracene and Triphenylmethane.

6. Give reactions of cyclopropane and cyclobutane, also explain stability of cycloalkanes on the basis of Baeyer's strain theory.
7. Give qualitative tests for phenols, give structure and uses of cresols, resorcinol and naphthols.
8. Write note on any three of the following:
 - a) Huckel's rule
 - b). Structure and uses of DDT and Saccharin
 - c) Acidity of phenols
 - d) Sachse Mohr's theory

323