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Roll No

PY-301 (CBCS)**B.Pharm., III Semester (Non-PCI Scheme)**

Examination, December 2017

Choice Based Credit System (CBCS)**Pharmaceutical Chemistry - III****(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 labelled diagrams wherever necessary.

- Explain orbital picture of benzene.
 - Discuss Huckel's rule and aromatic characters of organic compounds.
- Explain electrophilic substitution reactions of benzene.
 - Give structure and uses of DDT and Chloramine.
- Discuss acidity of phenols and effect of substituents on acidity of phenols. Also brief about structure and uses of cresols and resorcinol.
- Explain hydrolysis, hydrogenation, Saponification and rancidity of oils with examples.

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- Discuss stability of Cyclo alkanes with the help of Baeyer's strain theory. Also emphasized limitation of Baeyer's strain theory.
- Write a note on Sachse Mohr's theory.
 - Give structure and medicinal uses of Naphthalene, Phenanthrene and Anthracene.
- How ester and acetyl value calculated? Give their qualitative significance.
 - Write a note on basicity of amines.
- Write short note on any three of following:
 - Uses of aryl diazonium salts.
 - Saponification value.
 - Iodine value.
 - Reichert Meissl (RM) value.
