

QP Code: 321006

Reg. No.....

**Third Semester B. Pharm Degree Supplementary Examinations  
December 2023**

**Pharmaceutical Organic Chemistry - II**

**(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(2x10=20)**

1. Report on the analytical and synthetic evidences in the derivation of benzene.
2. Explain the process of hydrolysis and hydrogenation with suitable examples.

**Short Notes**

**(7x5=35)**

3. Summarize note on the basicity of amines.
4. Give a note on Meta directors.
5. Note down on the theory of strain less rings.
6. Mention the various reactions of naphthalene.
7. Discuss on Iodine value and Ester value.
8. Write the limitations of Bayer's strain theory.
9. Draw the structures of Sacharin, BHC, Diphenyl methane, Chloramine and Cresol

**Answer Briefly**

**(10x2=20)**

10. List out the medicinal uses of polynuclear hydrocarbons.
11. Write the structure and uses of phenanthrene.
12. Write the general reaction of Friedel-Craft's alkylation.
13. Distinguish between fats and oils.
14. Draw the orbital picture of benzene.
15. Write the synthesis of Triphenyl methane.
16. What do you mean by the term aromaticity.
17. Mention any four examples of mono substituted Benzene.
18. How are cyclo-alkanes prepared in general.
19. Write the synthetic uses of aryl diazonium salt.

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