

QP Code: 321006

Reg. No.....

Third Semester B.Pharm Degree Examinations January 2019

Pharmaceutical Organic Chemistry - II

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Draw Chemical Structures wherever necessary

Essays

(2x10=20)

1. What is resonance. Write the resonance stabilization of benzene. Explain with mechanism of reaction sulphonation and halogenation reaction of benzene.
2. Write the Haworth synthesis of Phenanthrene and write any two reactions, medicinally important derivatives of it along with their uses.

Short Notes

(7x5=35)

3. What are diazonium salts. Write any two coupling and displacement reactions.
4. Arrange the following compounds in the increasing order of acidity with justification: phenol, picric acid, o-cresol, m-nitrophenol.
5. Explain Sachse Mohr's theory.
6. What is saponification value and iodine value. Give their significance.
7. Write the structures of the following compounds:
BHC, Triphenylmethane, Anthracene, Saccharin, DDT.
8. Write any two methods synthesis and reaction of cyclobutane.
9. Explain the theory of reactivity of methyl group attached to the phenyl ring

Answer Briefly

(10x2=20)

10. What is rancidity
11. Write the examples of saturated and unsaturated fatty acid.
12. Bond angles of cyclopropane
13. Write any two reactions of cyclopropane
14. Reagents used in Friedal-Crafts acylation of benzene.
15. Compare the basicity of aniline and triethylamine.
16. Why aniline undergo bromination more readily than toluene.
17. Write any one qualitative test for phenols.
18. What is hydrogenation of oils
19. Name the medicinally important derivatives and uses of naphthalene
