

QP Code: 321006

Reg. No.....

**Third Semester B. Pharm Degree Regular/Supplementary Examinations
August 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. Outline any two methods of synthesis of phenanthrene and discuss four important reactions of phenanthrene
2. Explain the various analytical constants of fats and oils and explain the significance and principle involved in their determination.

Short Notes

(7x5=35)

3. Discuss the limitations of Baeyer's strain theory
4. Outline the Haworth synthesis of naphthalene
5. Discuss the effect of substituents on basicity of amines.
6. Important chemical reactions of anthracene
7. Discuss the qualitative tests for phenols
8. Explain sulphonation reactions of benzene with mechanism
9. Two important reactions of cyclobutane and cyclopropane

Answer Briefly

(10x2=20)

10. Structure and uses of DDT
11. Reichert Meissel value
12. Structure and medicinal uses of two naphthalene derivatives
13. Two uses of triphenyl methane
14. The structure and uses of chloramine
15. Sachse-Mohr's theory
16. Limitations of Friedelcrafts alkylation reaction
17. Hydrogenation reactions of oils
18. Huckel's rule
19. Two important synthetic uses of aryl diazonium salts
