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B.Pharma (2017 Batch) (Sem.-3)
PHARMACEUTICAL ORGANIC CHEMISTRY-II
Subject Code : BP-301T
M.Code : 75105

Max. Marks : 75

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.
3. **SECTION-C** contains **NINE** questions carrying **FIVE** marks each and students have to attempt any **SEVEN** questions.

1. Answer briefly :

- (a) Define Huckel's rule with examples.
- (b) Give structure and uses of DDT.
- (c) Why phenols are acidic in nature?
- (d) Aromatic amines are less basic than aliphatic amines.
- (e) What are naphthoils?
- (f) What are chloramines?
- (g) What are drying oils?
- (h) Write structure and uses of Diphenylmethane.
- (i) Give two important reactions of cyclopropane.
- (j) What are Fats and oils?

SECTION-B

2. Discuss the general mechanism and orientation of aromatic electrophilic substitution reaction.
3. Write in detail about reactivity, orientation and limitation of Friedel-Crafts Alkylation.
4. Write the synthesis, reactions and medicinal uses of naphthalene and phenanthrene.

SECTION-C

5. Write in detail about Baeyer's strain theory.
6. Discuss acid value, saponification value and ester value of fats and oil.
7. Give an account on triphenylmethane and their derivatives.
8. Discuss mechanism of nitration of benzene.
9. Discuss various synthetic uses of diazonium salts.
10. Write important reactions of benzoic acid.
11. Write analytical, synthetic evidences in favour of structure of benzene.
12. Discuss structure and uses of phenol, cresol and resorcinol.
13. Write down brief note on hydrolysis and hydrogenation of oils.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.