

AV – 2290

First Year B. Pharm. Examination

PHARMACEUTICAL CHEMISTRY – II (ORGANIC)

Paper – I – T – 3

(USC – 35003)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) All questions carry equal marks.
(2) Answer any **Eight** questions.
(3) Discuss the reaction, mechanism wherever necessary.

1. Write a note on inductive effects, resonance and hyper conjugation. 10
2. Describe methods of resolution of racemic mixtures. 10
3. Discuss in detail elimination first order and elimination second order reaction. 10
4. Write on account on polyaromatic compounds. 10
5. Discuss generation and fate of carbanions. 10
6. What is hybridization? Explain SP_3 hybridization in detail. 10
7. Discuss electrophilic aromatic substitution reactions of benzene. 10
8. Write a note on geometric isomerism. 10

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9. Describe methods of preparation and reactions of carboxylic acids. 10
10. Write short notes (Any Two) :—
- (a) Polarity of molecules.
 - (b) Chiral Centre.
 - (c) Intermolecular forces. 10

