

Code: 9R01103

B.Pharm I Year (R09) Supplementary Examinations December 2017

PHARMACEUTICAL ORGANIC CHEMISTRY – I

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Explain the inductive effect and hyper conjugation with suitable examples.
- 2 Describe Markovnikov and anti-Markovnikov rule with suitable examples.
- 3 Explain the aromatic character, resonance structures and reactivity of naphthalene and anthracene.
- 4 Describe various factors affecting the rate of SN^1 and SN^2 reactions.
- 5 (a) Explain the acidity of phenols.
(b) Give the mechanism for the conversion of phenol to salicylaldehyde.
- 6 Give the mechanisms for Cannizzaro reaction and Benzoin condensation.
- 7 (a) Explain the acidity of carboxylic acids.
(b) Give any two methods for the synthesis of carboxylic acids.
- 8 Explain the basicity of amines and their reactivity.
