

Roll No.

Y – 3211
M.Sc. (Second Semester)
EXAMINATION, May/June 2021
INDUSTRIAL CHEMISTRY
Paper–203
(Organic Chemistry-III)
Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note : Attempt *all* questions.

Unit-I

1. Explain synthesis and synthetic application of following : 17
(i) Lithium dimethyl cuprate
(ii) Trimethyl silyliodide.

Unit-II

2. Explain the mechanism of : 17
(i) Fisher indole synthesis
(ii) Diels-Alder reaction.

Unit-III

3. Discuss the mechanism of following reaction : 17
(i) Claisen condensation reaction
(ii) Hoffman rearrangement reaction.

Unit-IV

4. Discuss the following : 17
(i) Perkin reaction
(ii) Stobbe reaction.

Unit-V

5. Explain criteria of good disconnection approach. 17