

Roll No.

Y – 3217

M.Sc. (Industrial Chemistry) Fourth Semester EXAMINATION,

May/June-2021

Paper – 403

ORGANIC CHEMISTRY-IV

Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note—Attempt *all* questions.

Unit-I

1. Discuss kinetics and mechanism of nitration of paraffinic hydrocarbon. Explain equipment for nitration. 17

Unit-II

2. Describe kinetics and thermodynamics of halogenation reaction. 17

Unit-III

3. Write the name of Various sulphonating agents and their principal applications. 17

Unit-IV

4. Give various hydrolysing agents. Give kinetics and thermodynamics of hydrolysis. 17

Unit-V

5. Explain types of alkylation and alkylating agents. Discuss the kinetics and mechanism of alkylation. 17

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