

W-3353**M.Sc. (Fourth Semester) Examination, June-2020****INDUSTRIAL CHEMISTRY****Special Exam****Paper - 404-(A)****Petrochemicals, Oils & Soaps***Time : Three Hours**Maximum Marks : 85**Minimum Pass Marks : 29***Note :** Attempt **all** questions.**Unit-I**

Q.1. Discuss refining of petroleum give various petrochemical obtained during refining. 17

Unit-II

Q.2. Give method of extracting oil and explain chemical properties of oil. 17

Unit-IIIQ.3. Discuss the following: 17
i) Manufacture of soaps.
ii) Classification of detergents.**Unit-IV**

Q.4. Define surfactants give its classification and functions. 17

Unit-VQ.5. Write Notes on : 17
i) Law of Friction.
ii) Theories of Wear.