

Roll No. ....

**Y – 3218**

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

**May/June-2021**

Paper – 404 (A)

**PETROCHEMICALS, OILS AND SOAPS**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**— Attempt *all* questions.

**Unit-I**

1. What are the main constituents of petroleum and what are the main products of refining ? Also draw a schematic diagram of petroleum refining process. 17

**Unit-II**

2. Describe in detail the various steps of the process of hydrogenation of oils. 17

**Unit-III**

3. What do you understand by the saponification value of the soap ? Explain the manufacture of soap by continuous process. 17

**Unit-IV**

4. What are disinfectants ? Describe their applications with the help of suitable examples. 17

**Unit-V**

5. Explain the following— 17
- (a) Complete fluid Lubrication.
  - (b) Boundry lubrication.
  - (c) Extreme pressure Lubrication.

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