



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

Major Part-III Examinations 2020

3rd Year

Subject: INDUSTRIAL CHEMISTRY

Paper: VI

(Theory)

Full Marks: 100

Time: 4 Hours

Candidates are required to give their answer in their own words as far as practicable.

Questions are of equal value.

Answer **one question** [within 250 words] from the following:

1. Discuss various steps used in drilling an oil well.
2. "Petroleum is recovered almost in the same way as underground water" - Elaborate the statement and explain different steps to recover petroleum.
3. What is visbreaking? Explain the operation with flow diagram.
4. Write a short note on catalytic cracking.
5. Describe atmospheric and vacuum distillation of crude oil mentioning the conditions.



6. Distinguish the following
 - (i) flash point and fire point
 - (ii) Octane number and cetane number
7. Discuss the production procedure of petroleum coke from petroleum.
8. Describe the manufacture of ethylene oxide from a suitable source.
9. Name the sulphur compounds present in petroleum. How can these be separated?
10. Describe the mechanism and application of oxidation reaction in the context of petrochemical industry.
11. Describe the manufacture of chloromethane from methane with essential reactions and flow diagram.
12. Describe the process for the production of propylene from refinery gases with a block diagram.