

**Total No. of Pages : 01**

**BE (Sem.-3)**  
**CHEMICAL PROCESS INDUSTRIES**  
**Subject Code : CH-605**  
**M.Code : 90005**

**Max. Marks : 75**

1. Attempt any Five Questions.
2. All Questions carry equal marks.

- What is meant by hydrogenation of oil?
  - What are the raw materials for the production of sugar and starch?
  - Name different synthetic rubbers and give their applications.
  - What are the major constituents of crude petroleum?
  - What are the steps involved in pretreatment of manufacturing of paper?
- What are the different products obtained by the Atmospheric Distillation of Crude Petroleum? Explain with a flow sheet the Refinery Process.
- How is the Styrene Butadiene Rubber manufactured? Describe the process using a simplified flow chart.
- Explain with a flow chart the method of manufacture of Nylon Yarn.
- Explain the working of membrane cell with neat diagram.
- Starting from phosphate Rock, describe the manufacture of Single and Triple superphosphates.
- Explain the manufacturing of urea with diagram.
- Briefly discuss Kraft (sulfate) process of pulping and compare with sulfite process.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**