

III B.Tech II Semester Supplementary Examinations, April/May 2005
PETRO CHEMICAL ENGINEERING
(Chemical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Discuss present, past and future status of petroleum industry in India and abroad.
2. (a) What is distillation? Write short notes on continuous distillation?
(b) Write short notes on cracking or Thermal decomposition?
3. (a) Discuss different alkylation processes.
(b) Discuss the importance of sulfuric acid alkylation and explain in detail with a neat flow diagram
4. Discuss in detail the isomerization process and give its advantages and disadvantages.
5. What will happen if methyl cyclo pentane.
 - (a) Isomerised
 - (b) Isomerised and dehydrogenated.
 - (c) Dehydrogenated.
 - (d) Hydro genated.
6. (a) Iso propyl alcohol production is highly exothermic. How do you control the reaction heat?
(b) How do you produce n-propyl alcohol?
7. (a) Name some higher olefins directly used in detergent industry.
(b) Describe the process of chlorination of olefins.
8. Explain with neat a sketch the manufacturing process of Aniline from Phenol? What are its uses.
