

II B.Tech II Semester Supplementary Examinations, April/May 2005
ORGANIC CHEMICAL TECHNOLOGY
(Chemical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the salient features of the manufacture of phenol-formaldehyde resins using basic catalyst. State the uses of these resins.
2. Describe with the aid of a flow sheet the production of white pigment.
3. (a) Compare natural and synthetic rubber.
(b) How is natural rubber prepared? What are its important properties?
4. (a) What are the raw materials for nylon?
(b) Describe the process of production of caprolactum.
5. (a) What are the machinery used in a sugar industry?
(b) What are units operated by steam in sugar industry.
6. Write on:
 - (a) Raw material requirements for production of ethanol from molasses
 - (b) Classification of processes for ethanol production.
 - (c) Uses of ethanol
7. What is paper stock? Write a note on it?
8. Clarify detergents and give example of one each.
