

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

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions  
All Questions carry equal marks

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1. (a) Discuss the scenario of plastic industry in India.  
(b) Enlist important plastics with their industrial applications.
2. (a) Mention the constituents of paints and varnishes.  
(b) Describe the manufacture of paint with a neat flow diagram.
3. (a) Write the classification of fibres with suitable examples.  
(b) Discuss the manufacture of Nylon-66.
4. (a) Give a overview of sugar industry in India.  
(b) Explain the manufacture of alcohol from molasses.
5. (a) Discuss the manufacture of starch from Maize.  
(b) Enlist industrial applications of penicillin and alcohol.
6. State the raw materials required for the following products and their uses:
  - (a) Soaps and detergents
  - (b) SBR
  - (c) Viscose Rayon
  - (d) Formal dehyde
7. (a) Discuss the scenario of pulp and paper industry in India.  
(b) Discuss wet process of paper production in brief.
8. Write short notes on any three:
  - (a) Refining of oils.
  - (b) Synthetic rubber
  - (c) Natural rubber
  - (d) Vegetable oils
  - (e) Pulping Methods

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