

**II B.Tech II Semester Supplementary Examinations, Nov/Dec 2005**  
**ORGANIC CHEMICAL TECHNOLOGY**  
**(Chemical Engineering)**

**Time: 3 hours****Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. (a) Describe the properties of polyethylene.  
(b) How many polyethylene's are there ? and name them.  
(c) What is the main difference of LLDPE and LDPE. [8+4+4]
2. (a) What are the economics of pigment industry in India.  
(b) Describe the manufacture of a white pigment. [8+8]
3. (a) What is Elastomer? How do you derive it?  
(b) Explain the manufacturing process of a synthetic rubber? [8+8]
4. (a) Describe the synthetic fiber industry in India.  
(b) What are polyamides? Describe the production of any one of them. [6+10]
5. Write the formulae of the following  
(a) Cane sugar  
(b) Glucose  
(c) Starch  
(d) Fructose [4×4]
6. Describe the manufacture of ethyl alcohol from molasses with a neat flow chart. [16]
7. What is paper stock? Write a note on it? [16]
8. Write short notes on  
(a) Saponification value  
(b) Iodine value  
(c) Acid Value  
(d) Acetyl value [4×4]

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