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**Code No: 137ST**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech IV Year I Semester Examinations, October/November - 2020**

**PETROCHEMICAL ENGINEERING**

**(Petroleum Engineering)**

**Time: 2 hours**

**Max. Marks: 75**

**Answer any Five Questions  
All Questions Carry Equal Marks**

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1. Discuss about different Indian Petrochemical industries. [15]
2. Explain the global scenario of petrochemical industry. [15]
3. Explain about gas cracking and gas reforming. [15]
4. What is ethylene? Describe the production of ethylene with a neat flow sheet. [15]
5. What is chloroprene and isoprene? Explain their structure, uses and properties. [15]
6. Explain the production of Butadiene from C<sub>4</sub> compounds. [15]
7. Explain the differences between pyrolysis gasoline and gasoline. [15]
8. Explain the manufacturing process of cyclohexane. [15]

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