

Code No: R05320807

R05**Set No. 2**

III B.Tech II Semester Examinations, December 2010
PETROLEUM AND PETRO CHEMICAL TECHNOLOGY
Chemical Engineering

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

Answer any FIVE Questions
All Questions carry equal marks

1. Write down the economic data for the production of vinyl acetate and mention their procedures and uses. [16]
2. Enumerate the various processing methods of carbonaceous feedstocks to produce hydrogen. Give a neat block diagram. [16]
3. What is kerosene? Explain any one sweetening process of kerosene with flowsheet. [16]
4. Explain the various methods for the production of methane and give its industrial uses. [16]
5. Mention the molecular structure of different Hydro carbons produced from fractionating column. [16]
6. Explain the terms and give their significance
 - (a) Aniline point
 - (b) Specific gravity
 - (c) Vapor pressure
 - (d) Characterization factor
 - (e) Kauri Butanol number. [3+3+3+3+4]
7. Explain about different theories of origin and formation of petroleum. [8+8]
8. Give an account of production of Ethyl benzene by alkylation process. [16]

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R05**Set No. 4**

III B.Tech II Semester Examinations, December 2010
PETROLEUM AND PETRO CHEMICAL TECHNOLOGY
Chemical Engineering

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

Answer any FIVE Questions
All Questions carry equal marks

1. What is kerosene? Explain any one sweetening process of kerosene with flowsheet. [16]
2. Mention the molecular structure of different Hydro carbons produced from fractionating column. [16]
3. Explain the various methods for the production of methane and give its industrial uses. [16]
4. Give an account of production of Ethyl benzene by alkylation process. [16]
5. Write down the economic data for the production of vinyl acetate and mention their procedures and uses. [16]
6. Enumerate the various processing methods of carbonaceous feedstocks to produce hydrogen. Give a neat block diagram. [16]
7. Explain about different theories of origin and formation of petroleum. [8+8]
8. Explain the terms and give their significance
 - (a) Aniline point
 - (b) Specific gravity
 - (c) Vapor pressure
 - (d) Characterization factor
 - (e) Kauri Butanol number.[3+3+3+3+4]

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R05**Set No. 1**

III B.Tech II Semester Examinations, December 2010
PETROLEUM AND PETRO CHEMICAL TECHNOLOGY
Chemical Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the terms and give their significance
 - (a) Aniline point
 - (b) Specific gravity
 - (c) Vapor pressure
 - (d) Characterization factor
 - (e) Kauri Butanol number.[3+3+3+3+4]
2. Give an account of production of Ethyl benzene by alkylation process. [16]
3. Mention the molecular structure of different Hydro carbons produced from fractionating column. [16]
4. Write down the economic data for the production of vinyl acetate and mention their procedures and uses. [16]
5. Enumerate the various processing methods of carbonaceous feedstocks to produce hydrogen. Give a neat block diagram. [16]
6. What is kerosene? Explain any one sweetening process of kerosene with flowsheet. [16]
7. Explain about different theories of origin and formation of petroleum. [8+8]
8. Explain the various methods for the production of methane and give its industrial uses. [16]

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R05**Set No. 3**

III B.Tech II Semester Examinations, December 2010
PETROLEUM AND PETRO CHEMICAL TECHNOLOGY
Chemical Engineering

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

Answer any FIVE Questions
All Questions carry equal marks

1. Give an account of production of Ethyl benzene by alkylation process. [16]
2. Mention the molecular structure of different Hydro carbons produced from fractionating column. [16]
3. Explain the terms and give their significance
 - (a) Aniline point
 - (b) Specific gravity
 - (c) Vapor pressure
 - (d) Characterization factor
 - (e) Kauri Butanol number. [3+3+3+3+4]
4. Explain about different theories of origin and formation of petroleum. [8+8]
5. What is kerosene? Explain any one sweetening process of kerosene with flowsheet. [16]
6. Enumerate the various processing methods of carbonaceous feedstocks to produce hydrogen. Give a neat block diagram. [16]
7. Explain the various methods for the production of methane and give its industrial uses. [16]
8. Write down the economic data for the production of vinyl acetate and mention their procedures and uses. [16]
