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SEAT No. :

P1577

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BE/Insem/APR - 244

B.E. (Chemical)

PETROCHEMICAL ENGINEERING

(2015 Pattern) (Semester - II) (Elective - IV)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Answer any three questions.*
- 2) *Figures to the right indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Assume suitable data, if necessary.*

Q1) Describe the methods of preparation of feedstock's for petrochemical production and discuss the various petrochemical Feedstock challenges with suitable examples. **[10]**

OR

Q2) What are the main basic building blocks of petrochemical industry explain with suitable examples? **[10]**

Q3) What are basic principle sources of aromatics? Describe the Benzene aromatic separation by suitable diagram. **[10]**

OR

Q4) What are olefins? Explain with neat diagram process for ethylene production and list out its derivatives. **[10]**

Q5) Write in details about the various separation and purification techniques used in Petrochemical industry? **[10]**

OR

Q6) Write short note on Furnaces and its types. **[10]**

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