RC-8780

(3 Hours)

[Total Marks: 100

B.E. Colemical) (Sem. VII) (Rev.) Etam. Ma1, 2008 Resining Technique 0-3517 2788-089/6/2 sod (REVISED COURSE) (3 Hours) olec - I - IV [Total Marks: 100

- : (1) Question No. 1 is compulsory.
 - (2) Attempt any four questions out of remaining six questions.
 - (3) Figures to the right indicate full marks.
- (4) Neat diagrams must be drown wherever necessary.
- Give brief ideas about ASTM distillation and TBP distillation. Specify the boiling 10 (a) ranges of the fractions obtained from VDU.
- List the general methods for Dehydration of crude. Explain Electric desafter method 10 (b) in detail.
- Discuss in brief the application of phenol extraction process for lubricating oil. 10 (a) Why phenol extraction cannot be carried out at a temperature less than 50°C. ? What are the factors based on which the selection of a solvent is done. (For the extraction of lubricating oil)
- Discuss the methods available for the Gasoline Treatment . Why meticulous balance 10 (b) of TEL is added for the treatment? Explain copper chloride process in detail.
- (a) Explain catalytic cracking process in detail
- 10 (b) Why isomerisation is carried out? List various isomerisation processes. Write in 10 detail about aluminum Chloride isomerisation process.
- Give the composition of Asphalte. What is the action of heat on Asphalt ? Explain 10 (a) air blowing of bitumen process with proper Flow diagram.
- Distinguish between (i) U. O. P Characterization factor and Correlation Index 10 (ii) EFV curve and TBP distillation.
- Write in Detail the process of visbreaking giving operation, conditions and neat 10 Flow Diagram.
- Define and discuss, importance of following: (i) Flash point and fire point 10 (ii) smoke point and pour point.
- Explain propane Dew axing process in detail with the diagram.
- 10 Blending, is an important operations in refinery, justify the statement. How effective 10 blends can be produced? Explain briefly about Gasoline Blending.
- Why Up gradation is required in petroleum industries? Explain any one Up 10 gradation technique with the examples.
- Explain what do you understand by Desalting process ? Explain any one Desalting 10 process in Detail.