

Register Number :

Name of the Candidate :

7 2 3 6

DIPLOMA EXAMINATION, 2010

(PETROLEUM REFINING ENGINEERING)

(PAPER - III)

130. PETROLEUM REFINERY ENGINEERING

December]

[Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.

All questions carry equal marks.

(5 ×20=100)

1. (a) Discuss the effect of globalization in Indian refining industries. (10)
- (b) Write short note on crude oil availability in India. (10)
2. Discuss the various concepts on origin and formation of petroleum.

Turn Over

3. (a) Discuss in detail the classification of petroleum crude. (10)
- (b) Discuss the various methods of evaluation of petroleum. (10)
4. Write short notes on :
 - (a) Additives for gasoline.
 - (b) Tests for kerosene. (10+10)
5. What are the important thermal properties of petroleum fraction? Explain in detail.
6. Explain the process of atmospheric distillation unit and vacuum distillation unit.
7. Discuss in detail fluidised bed cracking of petroleum residue.
8. Write short notes on :
 - (a) Wax.
 - (b) Deasphalting. (10+10)
9. Discuss the various methods of reforming of gasoline.

10. Write short notes on :
 - (a) Hydrodesulfurization.
 - (b) Jet fuels. (10+10)