

III B.Tech II Semester Regular Examinations, April/May 2005
FERTILIZER TECHNOLOGY
(Chemical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the types of carbonization of coal.
2. Discuss the application of various synthesis gases.
3. Explain in detail any one Indian industry producing ammonia by partial oxidation process using naphtha as feedstock. Describe the process with a neat flow sheet.
4. Which is the catalyst used in the manufacture of Urea from Ammonia and CO_2 ? Explain the process.
5. Write detailed note on plant location and process for manufacturing of Ammonium Sulphate nitrate.
6. Write short note on
 - (a) Economics of Superphosphate industries
 - (b) Engineering problems in Super phosphate industries
7. Discuss about history of potassium and its importance as fertilizer?
8. Write a detailed note on nitrogenous-based fertilizer application on seasonal crop soils?
