

IV B.Tech II Semester Supplementary Examinations, Apr/May 2006
FERTILIZER TECHNOLOGY
(Chemical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the ultimate analysis of coal and its importance. [16]
2. Discuss the importance of catalyst in shift conversion. [16]
3. (a) What are the Temperature and Pressure conditions in Ammonia converter?
(b) Give various processes in detail for manufacture of Ammonia. [4+12]
4. What is Fuming Nitric acid? Explain in detail. [16]
5. Explain in detail the stengle process for manufacturing of Ammonium nitrate with neat flow diagram. [16]
6. Discuss in detail about the economic evaluation and process for manufacture of phosphoric acid. [16]
7. Explain with a flow sheet the granulation process of the mixed fertilizer? [16]
8. Make a balance sheet of production economies of typical fertilizer plant? [16]
