

III B.Tech II Semester Supplementary Examinations, April/May 2005
INORGANIC CHEMICAL TECHNOLOGY
(Chemical Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions
All Questions carry equal marks

1. Discuss in brief the various factors considered in the location of a chemical process plant.
2. (a) Write the chemical reactions involved in municipal water conditioning.
(b) Enlist various raw materials required for municipal water conditioning.
3. (a) What are ceramics?
(b) Describe the manufacture of white wares.
(c) Why white wares are usually glazed?
4. (a) How cement is obtained on a large scale by dry process?
(b) Compare and contrast between wet and dry processes.
5. Write the major engineering problems encountered in the manufacture of
 - (a) Caustic soda and chlorine
 - (b) Soda ash.
6. (a) Explain cryogenic technology.
(b) Explain the manufacturing of low temperature liquids using cryogenics and list out the fundamental principles.
7. Describe the production of ammonia by Haber-Bosch process with a neat flow diagram.
8. (a) Consumption of sulphuric acid is the barometer of India's industrial progress-comment?
(b) Discuss about the sulphur containing ore's of India?
