

II B.Tech I Semester Supplementary Examinations, November 2005
INORGANIC CHEMICAL TECHNOLOGY
(Chemical Engineering)

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. Write a brief note on Indian chemical process industry. Suggest the methods to make Indian chemical industry globally competitive. [16]
2. Distinguish between hard, demineralized and soft water. Explain how the demineralized water is handled. Give the materials of construction used. [16]
3. (a) What are ceramics?
(b) Describe the manufacture of white wares.
(c) Why white wares are usually glazed? [4+8+4]
4. (a) How cement is obtained on a large scale by dry process?
(b) Compare and contrast between wet and dry processes. [12+4]
5. Write short note on
 - (a) Glass laminates
 - (b) Glass wool
 - (c) Vitreosil
 - (d) Water Glass [4x4]
6. (a) What are the catalysts used in hydrogen manufacturing?
(b) With a neat flow diagram explain the manufacturing of hydrogen from propane. [4+12]
7. (a) Describe the various methods for producing ammonium nitrate.
(b) Explain the pertinent properties and uses of ammonium nitrate. [10+6]
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? [8+8]
