
ANSWER ANY FIVE QUESTIONS ALL QUESTIONS CARRY EQUAL MARKS

1. Discuss the importance of research in the growth and development of process industry. Explain the term patent.
2. Distinguish between sewage and industrial waste water. Explain the method activated sludge sewage water disposal with a neat flow chart.
3. (a) What are porcelain enamels?
(b) How are they manufactured?
(c) What are the applications?
4. (a) Write a detailed note on Plaster of Paris.
(b) What are acid resistant cement and super sulphate cement? Mention their applications.
5. Describe the manufacturing of caustic soda by using De Nora mercury cell with physico-chemical principles.
6. Describe with a neat flow sheet, the process of manufacturing carbondioxide from natural gas.
7. Explain the production of ammonia in a high capacity single train ammonia plant.
8. Draw a neat flow diagram depicting the various details for the production of sulphuric acid by the contact process?
