QUESTION BANK (G SCHEME)

NAME OF SUBJECT:-CHEMICAL PROCESS TECHNOLOGY -I
SUBJECT CODE:17314
SEMESTER:THIRD COURSE: CH

Unite test -2

Chapter 4 Chlor- Alkali industry(20 MARKS)

3 marks questions

1) Sate the properties and uses of chlorine
2) State the properties and uses of caustic soda
3) State the properties and uses of soda ash

4 marks questions

4) Explain the notation of mercury cell with reaction
5) Explain the notation of nelson cell with reaction
6) Draw process flow diagram for manufacturing of soda ash.
7) Explain the process for manufacturing of HCl by salt and acid with reactions.
8) Draw neat sketch of Mercury cell.
9) Draw neat sketch of Nelson cell.

Chapter-5 Manufacturing of industrial gases(20 MARKS)

3 marks questions

1)What is the safety precautions required for handling acetylene gas?
2) Explain two principles used for production of oxygen and nitrogen.
3)Explain with temperature profile production of producer gas.
4) What is dry ice? State its uses.
5)Explain the production of acetylene by calcium carbide

4 marks questions

6) State Properties and uses of nitrogen and oxygen
7) State Properties and uses of hydrogen and acetylene
8) Explain production of oxygen and nitrogen gas.
9)Explain the production of hydrogen.
10) State the composition of producer gas and water gas.
11) Explain role of gas producer and regenerator with diagram
12) Explain production of water gas by continuous process.
13) Explain production of carbon dioxide.

Chapter-6 Maufacturing of Cement and other products(10 MARKS)

3 marks questions

1) Compare dry and wet process for cement manufacturing.
2) What is hardening and setting of cement.
3) What is clinker? Why gypsum is added in cement.
4) How air pollution is controlled in cement?
5) Define cement. How it is classified?

4 marks questions

6) Describe manufacturing of cement by wet process.
7) Describe manufacturing of cement by dry process
8) Sate significance of C_2S, C_3S, C_3A and C_4AF
9)Define gypsum and plaster of Paris. State its uses.