

Total No. of Questions : 10]

SEAT No. :

P2900

[4958]-1093

[Total No. of Pages : 2

T.E. (Chemical)

CHEMICAL PROCESS TECHNOLOGY (309344)

(2012 Course) (Semester - I) (End Semester)

Time : 2½ Hours]

[Max. Marks : 70

Instructions:

- 1) Answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6, Q. 7 or Q. 8, Q. 9 or Q. 10.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Assume suitable data, if necessary.

Q1) a) Discuss various forms of Flow diagrams used in Process Industry. [5]

b) What do you mean by PFD and Major Engineering problems. [5]

OR

Q2) Describe electrolytic process for production of Aluminum. [10]

Q3) Describe production of Single Super phosphate. [10]

OR

Q4) Explain contact process for manufacturing of Sulfuric acid in detail. [10]

Q5) Explain Starch and give contact its manufacturing process from maize. [10]

OR

Q6) Explain manufacturing of Penicillin with its major Engineering problems. [10]

P.T.O.

Q7) a) Explain manufacturing destructive distillation of coal and carbonization processes. [20]

b) Explain Production of Water gas and Producer gas.

OR

Q8) a) Explain Production of Portland cement in details. [20]

b) Discuss the basic chemistry and cleaning action of soap explain the Production process of soap.

Q9) a) Explain Production of phenol by cumene process. [20]

b) Explain manufacturing of Acetone.

OR

Q10)a) Explain manufacturing of Formaldehyde. [20]

b) Explain Production of Vinyl Chloride.

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