

Total No. of Questions :6]

SEAT No. :

P65

[Total No. of Pages :1

Oct./ TE/ Insem. - 184

T.E. (Chemical Engineering)

CHEMICAL PROCESS TECHNOLOGY

(2015 Course) (Semester - I) (309344)

Time : 1 Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) *Attempt Q 1 or Q 2, Q 3 or Q 4, Q 5 or Q 6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*

- Q1)** a) Discuss the electrolytic process for manufacturing magnesium. [6]
b) Explain different methods for salt recovery from sea water. [4]

OR

- Q2)** a) Explain process for the production of soda ash in detail. [6]
b) Discuss the functioning of diaphragm cell with diagram. [4]

- Q3)** a) Explain the process for production of ammonium sulphate. [6]
b) Discuss the advantages of Dual Process over Solvay process. [4]

OR

- Q4)** a) Explain the process for the manufacture of single super phosphate. [6]
b) Describe only the reactor for DCDA process? [4]

- Q5)** a) Explain process for production of starch from maize. [6]
b) Explain about recovery of chemicals from sulfate pulp digestion liquor. [4]

OR

- Q6)** a) Explain production of Ethyl Alcohol in detail. [6]
b) Compare sulfate process with sulfite process for pulp manufacturing. [4]

