

APRIL-2015
**M.Sc. (Industrial Chemistry) Examination April -
Semester-II
Paper - IC - 5: Chemical Process Industries
Paper Code: 2921**

Time: 2.30 Hours

Maximum Marks: 70

Que.-1 What is fermentation? Discuss industrial production of Acetic acid by Vinegar process with flow sheet diagram.[14]

OR

Que.-1 Which factors affecting chemical corrosion? Explain it in detail.[14]

Que.-2 How to protect against corrosion? Write any two methods.[14]

OR

Que.-2 With a flow sheet diagram explain manufacture of Citric acid and NaCl.[14]

Que.-3 Discuss industrial production of $MgCO_3$ and KCl.[14]

OR

Que.-3 How industrially Na_2CO_3 and $NaHCO_3$ are manufactured from sea water?[14]

Que.-4 Discuss industrial production of RDX and HMX.[14]

OR

Que.-4 Write a brief note on Toxic Chemical Weapons with examples.[14]

Que.-5 Give manufacture of SBR with preparation of the monomers.[14]

OR

Que.-5 "Sea water is a treasure of inorganic chemicals" justifies this statement by listing important chemical obtained from seawater.[14]