

Code :RA9ABS103b

RA

II B.Tech I Semester(R09) Supplementary Examinations, May 2011
ENGINEERING CHEMISTRY

(Common to Electrical & Electronics Engineering, Electronics & Communication
Engineering, Electronics & Instrumentation Engineering)

(For students of R07 regulation readmitted to II B.Tech I semester R09)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. Write a note on the following:
 - (a) Priming and Foaming
 - (b) Demineralization of Brackish water
2. (a) Explain sacrificial anodic protection and impressed current cathodic protection methods.
(b) Write a note on anodic and cathodic inhibitors
3. Compare the following with suitable examples:
 - (a) Thermosetting & Thermoplastic polymers
 - (b) Addition & Condensation polymerization.
4. Explain the working of red wood viscometer with the help of neat diagram.
5. (a) What is meant by Galvanic Cell? Explain.
(b) What is EMF of a cell? How it is measured experimentally?
6. (a) What is a metastable equilibrium? Explain this state in water system.
(b) State the limitations of phase rule. Give applications of eutectics
7. Write short notes on:
 - (a) Coal Gas
 - (b) Biogas
 - (c) Units for calorific value
8. Write a brief account on the following:
 - (a) Functions of Gypsum in cement.
 - (b) Explain the various properties of refractories
