

Code No:RA 9ABS103C

RA

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

ENGINEERING CHEMISTRY
(Electronics & Control Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. (a) What are the chemical reactions takes place in boiler corrosion.
(b) Write a note on scales and sludges in boilers.
2. Define corrosion of metals and explain the mechanism of Electrochemical corrosion?
3. Explain any two moulding methods with neat labeled diagrams.
4. Write a short note on:
 - (a) What are viscosity and viscosity index of lubricating oil?
 - (b) Discuss the functions of lubricants.
5. What is concentration cell? Explain its applications.
6. (a) What is condensed system? Write the reduced phase rule equation.
(b) Write short notes on Freezing mixtures.
7. (a) What are the fuels? How they classified? Give suitable examples.
(b) What are the important characteristics of good fuel.
8. Explain the hardening and setting of cement using the chemical equations.
