

Code: R7100104

R07

B. Tech I Year (R07) Supplementary Examinations, May 2012

APPLIED CHEMISTRY

(Civil Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 (a) How dissolved chlorides in water are estimated?
(b) Give types of impurities in water.
(c) What are the units used to express the hardness of water?
- 2 Discuss in detail internal treatment of water.
- 3 Explain factors influencing corrosion.
- 4 (a) Discuss about surface preparation of article for protective coating.
(b) Write note on:
(i) Cementation.
(ii) Chronizing.
- 5 (a) Explain different moulding constituents (compounding of plastics).
(b) Write note on:
(i) PE.
(ii) PVC
- 6 Discuss about insulating materials and their engineering applications.
- 7 What are the general properties of lubricating oils and explain each property in brief?
- 8 (a) Give detail account on setting and hardening of cement.
(b) Write a note on chemical constituents and composition of cement.
