Roll No. Enrollment No.

C. U. SHAH COLLEGE OF ENGINEERING & TECHNOLOGY, WADHWAN

BE all semester-II Mid semester Examination March-2009

Subject: - CHEMISTRY

Date: 24/03/2009 Time: 3.00 p.m To 4.30 p.m Max. Marks: 40

Instructions:

1) **Attempt all questions**
2) **Make suitable assumptions wherever necessary.**
3) **Figure to the right indicates full marks.**

Que. 1 **(a)** What are plastic? How thermoplastic are differ from thermosetting plastic? **(05)**

(b) **Attempt any two** **(10)**

1) Write the short note on greenhouse effect.
2) Define monomer & polymer with example.
3) Give synthesis & use of any **two**
   i) PVC, iii) Nylon 6,
   ii) Teflon, vi) Polyethylene

Que. 2 **(a)** What is hardness? Discuss the effect of hardness. **(05)**

(b) **Attempt any two** **(10)**

1) What is polymerization? Give any one type of polymerization with suitable example.
2) Write the short note on cold soda-lime process.
3) What is deforestation? Discuss the effect of deforestation on environment.

Que. 3 **Attempt any four** **(10)**

1) Give the applications of rubber.
2) Discuss the zeolite process.
3) Explain the melt spinning process
4) Discuss the vulcanization process for rubber.
5) Discuss the compression moulding of plastics.