

RAMRAO ADIK INSTITUTE OF TECHNOLOGY, NERUL

TERM TEST NO.II

Subject- Applied Chemistry-I

Marks-30

Time-1hr

Date-

Note: i) Attempt any three questions.

ii) Each sub-question is for 5 marks.

SET-A

Q.1] a) What is plastic? Give the difference between Thermoplastics and Thermosetting plastics.

b) Give the preparation, properties & uses of kevlar.

or

b) Explain the mechanism of boundary lubrication.

Q.2] a) What is natural rubber? Explain the importance of vulcanization of rubber.

b) Write short note on Injection Moulding.

or

b) Give the preparation, properties & uses of silicon rubber.

Q.3] a) Write short note on glass transition temperature.

b) Give the preparation, properties & uses of PMMA.

or

b) What is phase rule? Explain the term involved in it.

Q.4] a) Write short note on conducting polymers.

b) What are the ingredients of plastics? Explain their functions with examples. (Compounding of plastics.)