

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGINEERING – SEMESTER – • EXAMINATION – SUMMER-2015

Subject code: 362302

Date: 02/05/2015

Subject Name: Testing & Quality Management

Time:10:30am to 1:00pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic

- Q.1** (a) Describe the procedure of tensile test. **07**
(b) Define specification & standards and explain anyone. **07**
- Q.2** (a) Explain in brief about Creep & stress relaxation. **07**
(b) Write in brief about process quality control. **07**
OR
(b) Describe the procedure of hardness test with neat sketch. **07**
- Q.3** (a) Write about the factors affecting the test result of izod impact test. **07**
(b) Explain the heat deflection test with neat sketch. **07**
OR
- Q.3** (a) Describe the test for measuring the vicat softening temperature. **07**
(b) Explain Arc resistance test. **07**
- Q.4** (a) List various optical tests and explain any one. **07**
(b) Explain procedure for MFI test with neat sketch. **07**
OR
- Q. 4** (a) Describe in brief about procedure for SQC. **07**
(b) Explain the procedure for Environmental Stress Cracking Resistance test with neat sketch. **07**
- Q.5** (a) List various types of failure in plastics products & Explain any two. **07**
(b) List various organizations dealing with quality management and write in brief about any one. **07**
OR
- Q.5** (a) Write short note on 'raw material quality control'. **07**
(b) Describe in brief about advantages of SQC. **07**
