

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA ENGINEERING – SEMESTER –8<sup>th</sup> • EXAMINATION – SUMMER • 2015**

**Subject Code: 385531**

**Date: 18-05-2015**

**Subject Name: QPM&S**

**Time: 10.30 AM TO 01.00 PM**

**Total Marks: 70**

**Instructions:**

1. Attempt ALL questions.
2. Assume suitable data wher-ever necessary.
3. Figures to the right indicate full marks.
4. Each question carry equal marks (14 marks)
5. Answer with neat sketch whenever necessary and to the point
- 6 Write your seat no. and enrolment no. in the above given space

- Q.1** (a) Explain in brief the spiral of progress in quality. **07**
- (b) State “Prevention Is Better Than Cure” for fire. **07**  
Explain in brief methods of extinguishing of fire.
- Q.2** (a) Explain in brief : Total Quality Management (TQM) with their benefits. **07**
- (b) Which are the seven tools of quality controls ? **07**  
Explain in brief : fish bone diagram
- OR**
- Q.2** (b) Explain following terms: **07**
- a) Safe work permit
  - b) Audit
  - c) Confine space
  - d) Emergency
  - e) Dangerous
- Q.3** (a) Explain in brief : Function of Production Planning and Control (PPC). **07**
- (b) Explain in brief :- Mobile scaffold. **07**
- OR**
- Q.3** (a) Differentiate between Production and Productivity. **07**
- (b) Explain in brief :- Various types of production with their characteristics , **07**  
Advantages and Disadvantages / Limitations
- Q.4** (a) Explain in brief overview of ISO 14000 and benefits of ISO 14000 **07**  
certification
- (b) Classify the various types of chain slings. **07**  
Draw neat sketches of various types of wire rope slings.  
State its related BIS nos.
- OR**
- Q.4** (a) List out the various factors affecting / influencing of productivity **07**

Explain in brief : Any two

- (b) Explain in brief with neat sketch Do $\phi$ s & Don $\phi$ t , while using Grinding Wheels & Grinding Machines. **07**

- Q.5** (a) Classify the material handling system & state the factor influencing the material handling equipment /machinery for selection. **07**

- (b) Explain in brief effect of various electrical parameters for human shocks ? **07**

**OR**

- Q.5** (a) Explain work place management through - 5 $\phi$ S . **07**  
Explain in brief Zero defects concept.

- (b) Explain in brief : Kaizen and JIT. **07**

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