

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-VIII • EXAMINATION – WINTER • 2016

Subject Code: 3385505

Date: 27-10-2016

Subject Name: QPS&M

Time: 10:30 am - 01:00 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Draw a neat sketch whenever necessary
6. English version is authentic.

- Q.1 (a) State “Prevention Is Better Than Cure” for fire. 07
Described in brief methods of extinguishing of fire
- (b) Differentiate between Production and Productivity? 07

- Q.2 (a) Described various dimensions of quality? 07
- (b) RANA , the local auto mechanic, finds that it usually takes him 2 hours to diagnose and fix a typical problem. What is his daily productivity (Assume an 8 hour day)? 07
Mr. RANA believes he can purchase a small computer trouble-shooting device, which will allow him to find and fix a problem in the incredible (at least to his customers!) time of 1 hour. He will, however, have to spend an extra hour each morning adjusting the computerized diagnostic device. What will be the impact on his productivity if he purchases the device.

OR

- (b) Described in brief overview of ISO 14000 and benefits of ISO 14000 Certification 07
- Q.3 (a) Described Causes of Low Productivity and techniques of their Elimination 07
1) Mismanagement Of Time On Account Of Management
2) Mismanagement On Account Of Workers
- (b) Management tools for productivity improvement. 07

OR

- Q.3 (a) Described in brief effect of various electrical parameters for human shocks 07
- (b) List out the various types of material handling equipments. Described the factors influencing material handling equipment/machinery for selection. 07

- Q.4 (a) The study of spiral in progress of technical quality. 07
- (b) Which are the seven tools of quality controls ? 07
Described in brief : fish bone diagram

OR

- Q. 4 (a) Described External & Internal Factors of Productivity? 07
- (b) How to treat during following accidental condition (first aid during accident) : 07
Bleeding , Fractures, Burns, Electrical shocks for person
Also State importance of first aid.

- Q.5 (a) Described in brief : Need , objectives and purposes of inspection. 07
- (b) Define the term ‘ safety ‘? 07
Described in brief safety terminology

OR

- Q.5 (a) Prepare Chart / Table for colour codes used for industrial gas cylinders. 07
Which are the various hazards in storage, usage and handing of gas cylinders?
- (b) Described work place management through - 5's. 07
How and where for 5's Implementation ?
