

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER – VIII • EXAMINATION – SUMMER 2016

Subject Code: 3385505

Date: 21/05/2016

Subject Name: QP & SM

Time: 10:30 AM to 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. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

- Q.1 (a) Define the term Safety ? 07
State “PREVENTION IS BETTER THAN CURE” for fire.
Described in brief methods of extinguishing of fire.
- (b) Described in brief : Function of Production Planning and Control (P P C). 07

- Q.2 (a) There are two industries manufacturing two types of flange . The standard time per piece is 5 minutes. The output of the two industries is 100 and 50 respectively per shift of 8 hours. 07
1) What is the productivity of each per shift of 8 hours ?
2) What is the production of each per week (6days) on the basis of double shift ?
- (b) Describe the Elements of TQM. State Benefits of TQM. 07

OR

- (b) Described in brief : About Bureau of Indian Standards (BIS) 07
- Q.3 (a) Described in brief : Quality characteristics and quality parameters ? 07
(b) Classify the of various types of Material handling equipments ? 07
state the factors influencing/effect on selection of material handling ?

- Q.4 (a) Described in brief : Japanese concept OF 5 S Terms . 07
(b) Describe (5P) Purpose, Planning, Procedure, Problem solving Performance of learning this Subject 07

OR

- Q.4 (a) Described in brief with neat sketch : - 07
The safety guidelines to be followed for Pressure / Hydro testing.
- (b) List out the various accessories use for arc welding safety. 07
During various Arc welding process state the shade no of glass (DIN Std.) to be used during welding with reference to electrical Currents /Electrode diameter.

- Q.5 (a) Described in brief : various terms used in P.P.C. department of industries 07
(b) Described External & Internal Factors of Productivity 07

OR

- Q.5 (a) Described in brief the safety precaution observed during handling of Compressed Air / Gas. 07
(b) Compare job production and batch production methods. 07

BEST TO LUCK THE END