

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 2785

Roll No.

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B.Tech.

(SEM. VII) ODD SEMESTER THEORY EXAMINATION 2012-13

QUALITY MANAGEMENT*Time : 3 Hours**Total Marks : 100***Note :** *Attempt all FIVE questions. Choice and marks are given.*

1. Attempt any **TWO** of the following : **(2×10=20)**
 - (a) What are the basic concept of TQM ? What is the role of Top Management ?
 - (b) What is prototype inspection ? How is quality built into the product during design stage ?
 - (c) How is quality maintained during procurement ? How are the suppliers evaluated ?
2. Attempt any **TWO** of the following : **(2×10=20)**
 - (a) Briefly describe the various techniques of manufacturing. What is 'patrolling inspection' as referred to manufacturing ?
 - (b) What is "customer feedback" ? How does it affect quality of a product during sales and service ?
 - (c) What is 'quality function deployment' ? Briefly describe about 'House of Quality'.

3. Attempt any **TWO** of the following : (2×10=20)
- (a) What are control charts ? How do they help to reduce rejection rate ?
 - (b) Describe the various types of quality costs. What are hidden costs ?
 - (c) What are the various modern methods for improvement of quality ?
4. Attempt any **TWO** of the following : (2×10=20)
- (a) What are the duties of 'defect monitoring cell' in a quality organisation ?
 - (b) What steps you would take to enforce zero defect concept in an existing system of quality ?
 - (c) What are 'Quality Circles' ? How are they used to solve a problem ?
5. Attempt any **TWO** of the following : (2×10=20)
- (a) If ISO 9000 Quality System is to be enforced in an organisation, what preparations are required ?
 - (b) What are process capability studies ? Define C_p and C_{pk} .
 - (c) Write short notes on any **TWO** :—
 - (i) JIT
 - (ii) Taguchi methods
 - (iii) Human factors in quality.