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What are the barriers while implementing TOM

Question Paper Code: 57423



B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

Sixth Semester

Industrial Engineering and Management

GE 6757 – TOTAL QUALITY MANAGEMENT

(Common to Computer Science and Engineering / Mechatronics Engineering Information

Technology / Pharmaceutical Technology)

(Regulations 2013)

Time: Three Hours Maximum: 100 Marks

Answer ALL questions.

 $PART - A (10 \times 2 = 20 Marks)$

- 1. How can Quality be quantified?
- 2. What do you mean by service quality?
- 3. List out any four benefits of Employee involvement.
- 4. What are the functions of Quality circles?
- 5. What are the types of check sheets commonly used?
- 6. Write down the various stages of FMEA.
- 7. What is meant by process capability?
- 8. What are the benefits of TPM?
- 9. List down the main elements of ISO 14000.
- 10. Write down the benefits of ISO 9000 certification.

$PART - B (5 \times 16 = 80 Marks)$

What are the barriers while implementing TOM? Also explain evolution of 11. (a) Quality. Question Paper Code: 807423

- (b) Discuss Juran's principle of Quality improvement.
- 12. Discuss how Quality council is structured in (i) University Academic (a) Department and (ii) Manufacturing facility.

GE 6757 - TOTAL OHALITY RO NACEMENT

- Explain the phases of PDSA cycle and its illustration. (i) (b)
 - What is 5s and why does the organization adopt this technique? (ii)
- Explain any three new management tools. (a)

- Perform an FMEA to anticipate various problem faced and method to eliminate (b) the problem of getting up from bed in the morning and going to school.
- Explain with an example of any three control charts. 14. (a) What do you mean by service our

OR

- (b) Devise a OFD methodology for design and development of cups used in vending machine for dispersing hot and cold beverages.
- Discuss the need for standardization procedures for quality assurance. Explain 15. (a) the requirements of ISO system to documentation.

OR

2

(b) What are the requirements, objectives and benefits of ISO 14000 system?

List down the main elements of 180 miles

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