Code : 021618

B.Tech 6th Semester Exam., 2016

COMPETITIVE MANUFACTURING STRATEGIES

Time : 3 hours   Full Marks : 70

Instructions :

(i) *All questions carry equal marks.*

(ii) *There are **NINE** questions in this paper.*

(iii) *Attempt **FIVE** questions in all.*

(iv) *Question No. **1** is compulsory.*

1. Attempt any *seven* of the following questions :

   (a) What is TQM?

   (b) What is dedicated manufacturing system?

   (c) Define bill of materials.

   (d) Define simulation. AKUBIHAR.COM

   (e) What is part family?

   (f) What is lean manufacturing?

   (g) What do you mean by KAIZEN?

   (h) Define group technology.

   (i) What is e-manufacturing?

   (j) Define vendor rating.

(2)

2. What is Materials Requirement Planning (MRP)? What are the inputs and outputs required by the MRP processing logic?

3. Define the Just-in-Time (JIT) manufacturing and explain its basic elements.

4. Explain KANBAN system alongwith the advantages resulting from its implementation.

5. Discuss computer integrated manufacturing and its advantages.

6. Explain artificial neural networks and their applications. AKUBIHAR.COM

7. Describe agile manufacturing in detail.

8. What do you mean by reconfigurability? Discuss Reconfigurable Manufacturing Systems.

9. Explain the strategies for competitive advantage.

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