

[Time: Three Hours]

[ Marks:80]

Please check whether you have got the right question paper.

N.B: 1) Q.1 is compulsory

2) Attempt any THREE questions from the remaining questions

3) Assume suitable data wherever necessary.

4) Figures to the right indicate full marks.

- Q.1 Write short notes on. (Any four) 20
- Poke Yoke
  - DFSS-IDOV method
  - Deming Award
  - Value Stream Mapping
  - Theory of Constraints
- Q.2 a. Explain the principles and practices of World Class Manufacturing implementation on shop floor. 10
- b. Explain the Schonberg Model of World Class Manufacturing. 10
- Q.3 a. Define benchmarking. Write detail procedure of benchmarking phases. 10
- b. What do understand from Manufacturing Excellence? Explain with an example of Indian firm. 10
- Q.4 a. How do six sigma concepts affect the system when it is implemented in an organization? Explain its benefits to the customers. 10
- b. Explain the just in time Manufacturing system in detail. Discuss its dissimilarities with MRP system. 10
- Q.5 a. Discuss 5-S and 3-M in WCM? 10
- b. Explain how human resource management of WCM organization is different from traditional organization. 10
- Q.6 a. What do you understand from clean manufacturing? And how it effects on WCM? 10
- b. Explain how human resource management of WCM organization is different from traditional organization. 10

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