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Roll No. :

576374(76)

676574(76)

M. B. A. (Third Semester) Examination,

Nov.-Dec. 2020

(New Scheme)

(Management Branch)

(Specialization : Production & Operation Management)

LEAN and AGILE SYSTEMS

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note : Answer any one question from each unit. All questions carry 16 marks.

Unit-I

1. (a) Explain in detail the history of lean and its concepts?

What are the major characteristics of Lean systems

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and also explain why its significance is increasing in modern manufacturing? 16

(b) Error-proofing is an outgrowth of the quality movement. Explain. 16

Unit-II

2. (a) Explain how 5S principal is a framework that emphasizes the use of a specific mindset and tools to create efficiency and value? 16

(b) "Push-Pull" refers to the dynamics between a supplier and a customer. Discuss. 16

Unit-III

3. (a) Write a detailed note on Lean Human Resource creation? 16

(b) Discuss why "Error-proofing refers to the implementation of fail-safe mechanisms to prevent a process from producing defects"? 16

Unit-IV

4. (a) "Lean team is a group of individuals empowered to

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make quick decision and take actions that benefit their company". Justify the above statement? 16

(b) "Visual factory" refers to an approach to lean manufacturing processes based on visual information throughout the workplace. Explain the concept of visual factory? 16

Unit-V

5. (a) Give few ideas on how you can successfully implement Lean manufacturing process? 16

(b) Write a short note on Agile manufacturing and its major trends? 16