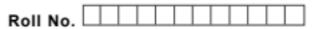


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Total No. of Pages : 02

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B.Tech. (Ind. Engg. & Mgt.) (Spl. in TQM) (Sem.–6) LEAN MANAGEMENT Subject Code : IEM-602

M.Code: 70998

Time : 3 Hrs.

Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :

- 1. Attempt All EIGHT questions from SECTION-A carrying TWO marks each.
- Attempt any SIX questions out of EIGHT from SECTION-B carrying FOUR marks each.

SECTION-A

1. Answer Briefly :

- a. Discuss the origin of Toyota Production System, its progress and implications.
- b. Distinguish between value added and non value added activities in a manufacturing organization. Why non value added activities are necessary in such organizations?
- c. What do you understand by visual management? Explain various visual management techniques adopted by organizations for improving productivity.
- d. How standardization can be deployed as an enabler for continuous improvement and quality enhancement?
- e. Explain the salient features and advantages of linear work cells and U turn work cells.
- f. Describe the salient characteristics, sequence of events and benefits of min kaizen implementation in organizations.
- g. Differentiate between TPM and TQM. Also enumerate the benefits of TPM implementation.
- h. Explain the concept of Jidoka.

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SECTION-B

- 2. Define Lean manufacturing. Discuss the TPS house and explain various elements of TPS.
- 3. Explain and differentiate between 3M's Muda, Muri and Mura.
- Discuss the significance of team building in lean manufacturing. Also, explain the types
 of teams and ingredients of effective teams in lean manufacturing environment.
- 5. Explain Heijunka. Explain different ways of implementing Heijunka.
- Define value stream mapping. Elaborate upon five step methodology of value stream mapping.
- Define Poka Yoke. How do organization endeavor to obtain zero defects through poka yokes? Justify with the help of examples.
- Describe the step by step TPM implementation methodology adopted by manufacturing organizations.
- 9. Elaborate upon the contributions of top management, middle and bottom management towards achieving change through lean manufacturing.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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