

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE - RAIGAD - 402 103
Summer Semester Examination, May 2018**

Branch: M.Tech. (Mechanical / Production Engineering)

Semester: II

**Subject with Subject Code: Lean Manufacturing
[MMF203B]**

Marks: 60

Date: 18 / 05 / 2018

Time: 3 Hrs.

Instructions to the Students

1. Each question carries 12 marks.
2. Attempt any five questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly.

- Q.1. Explain sources of waste in lean manufacturing process. (12)**
- Q.2. Explain Traditional vs. Lean manufacturing. (12)**
- Q.3. Explain the following: (3X4 =12)**
a) Explain the Philosophy of Just in Time with examples
b) Explain Poka-Yoke
c) Explain 5 S
- Q.4. a) Describe employ involvement, teams, training. (06)**
b) Explain auditing in lean manufacturing with examples. (06)
- Q.5. Explain culture importance in lean manufacturing. (12)**
- Q.6. Write a note on Startup of lean processes and examples of applications. (12)**

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