

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,**

**LONERE – RAIGAD – 402 103**

Regular End Semester Examination – Summer 2022

**Branch: M.Tech. (Mechanical)**

**Semester: II**

**Subject with Subject Code:- World Class Manufacturing (MME24F)**

**Marks: 60**

**Date: - 20/10/2022**

**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 a	Explain historical prospective of world class excellent organizations.	6Marks
Q.1 b	Define world class manufacturing and state the names of WCM techniques.	6Marks
Q. 2 a	Explain the Toyota production system.	6Marks
Q. 2 b	Define Benchmarking. Explain various steps in Benchmarking process.	6Marks
Q. 3 a	Explain the concept of 5-S and 3-M in SQC.	6Marks
Q. 3 b	Explain the concept of Lean manufacturing and JIT	6Marks
Q. 4 a	Explain role of Human Resources Management in WCM	6Marks
Q. 4 b	Explain the various techniques removing root cause of problems	6Marks
Q. 5 a	Explain Six Sigma philosophy in WCM	6Marks
Q. 5 b	What is mean by World Class Performance?	6Marks
Q. 6 a	Explain Leading India Scenario.	6Marks
Q. 6 b	Explain in detail the Indian companies which are moving towards world class manufacturing.	6Marks