

Maharshi Karve Stree Shikshan Samstha's

Smt. Hiraben Nanavati Institute of Management & Research for Women

INTERNAL EXAMINATION – Sem II – (Jan- July 2026)

SUBJECT –:World Class Manufacturing

SUBJECT CODE – OSCM 663 MJ- Date : 12-05-2026
Pattern : 2024

Duration : 150 min

Max Marks : 50

Instructions for students :

- *Marks are indicated for each question.*
 - *Handwriting should be eligible for evaluation.*
 - *Marks will be given for quality, not quantity.*
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Q.1 Solve any Five out of Eight. (10 Marks)

- Define World Class Manufacturing (WCM).
 - What is Time Based Competition?
 - Define Manufacturing Excellence.
 - What is Kanban?
 - Define Poka-Yoke.
 - What is Flexible Manufacturing System (FMS)?
 - State any two barriers to using IT strategically in manufacturing.
 - Define Balanced Score Card.
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Q.2 Solve any Two out of Three. (10 Marks)

- Explain the business challenges of the Information Age in manufacturing industries.
 - Discuss India's global competitiveness and manufacturing excellence in the Information Age.
 - Explain the problems faced by manufacturing industries with reference to coordination, control and fragmented information infrastructure.
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Q.3 Solve any Two out of Three. (10 Marks)

- Explain the concept and philosophy of World Class Manufacturing.
 - Discuss Hall's Framework and Schonberger's Framework of World Class Manufacturing.
 - Explain the evolution, principles and practices of World Class Manufacturing.
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Q.4 Solve any Two out of Three. (10 Marks)

- Explain various information management tools used in World Class Manufacturing.
 - Discuss material processing and handling tools such as Flexible Manufacturing Systems, SMED and Rapid Prototyping.
 - Explain Lean Production tools and their role in World Class Manufacturing.
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Q.5 Solve any One out of Two. (10 Marks)

- a) Discuss the Indian scenario of World Class Manufacturing with reference to manufacturing strategy, IT infrastructure and global competitiveness.
- b) Explain strategic planning methodology for World Class Manufacturing and discuss the importance of performance measurement systems such as Balanced Score Card, TOPP and AMBITE Systems.