

**GANPAT UNIVERSITY**

M.TECH SEM. III – AMS

**CBCS** REGULAR EXAMINATION NOV/DEC-2016  
3ME302 - WORLD CLASS MANUFACTURING**Time: 3 Hours****Total Marks: 60****Instructions:**

- 1). All questions are **compulsory**.
- 2). Figures to the **right** indicate full marks.
- 3). Answers to the two sections must be written in **separate** answer books.

**SECTION – I****Que:-1**

- (A) Supply Chain Integration in – Push & Pull Strategies. [03]
- (B) What is concurrent engineering? Explain concurrent engineering V/S sustainability [03]
- (C) What is the theory of constraints (TOM)? Explain various steps of TOM. [04]

**OR****Que:-1**

- (A) Enlist the Lean Tools & Supporting Strategies and explain Visual Control and Problem solving strategies [03]
- (B) Which are the Major obstacles in supply chain management [03]
- (C) Explain Operation Strategy models. [04]

**Que:-2**

- (A) Explain the case study of Toyota production system by using lean manufacturing [04]
- (B) Explain the Lean Thinking Principle in detail [03]
- (C) Which are the common problems occurs in supply chain management? Explain [03]

**OR****Que:-2**

- (A) Explain the Process for Implementing Lean Manufacturing. [04]
- (B) What are the external and internal conditions influencing strategy. [03]
- (C) Explain the SCOR 7.0 Model Structure for supply chain management [03]

**Que:-3**

- (A) What is Quality Function Deployment (QFD)? Explain with example. [10]
- (B) What is 5S? How 5S useful in world class manufacturing
- (C) Explain operation priorities.

**SECTION – II**

**Que:-4**

(A) Explain different steps to implementing six sigma. Explain different level in sigma. [5]

(B) What is Six Sigma? Which business function needs it? [5]

**OR**

**Que:-4**

(A) Explain green belt and black belt in details. [5]

(B) Explain how activity-based management is a form of responsibility accounting, and tell how it differs from financial-based responsibility accounting. [5]

**Que:-5**

(A) Explain the implementing different steps in bench marking. [5]

(B) What is bench marking? Why bench marking required? [5]

**OR**

**Que:-5**

(A) Define the Activity-Based Costing (ABC) and Activity-Based Management (ABM) and difference between them. [5]

(B) How do value-added and non-value-added activities affect manufacturing cycle efficiency? [5]

**Que:-6**

(A) How Just in Time approach help in world class manufacturing. Explain with one case study [5]

(B) Explain implementing model in Activity-Based Management (ABM). [5]

**END OF PAPER**