

University of Pune
Department of Management Sciences (PUMBA)
Executive MBA
Internal Exam March - 2013
405 (D) World Class Manufacturing
[Operations Specialization]

Time: 1.5 hrs

Total marks: 30

Instructions:

1. All questions carry equal marks solve any Three.
2. Each carries 10 marks.

- Q.1** a) What are the three paths towards WCM as suggested by Shonberger? Explain each in brief.
b) Explain Hall's Framework of World Class Manufacturing.
- Q.2** a) What are the three functions of Kanban? Explain in brief.
b) Differentiate between Single Kanban System v/s Dual Kanaban System
- Q. 3i)** Draw the following VSM symbols and explain their meaning in one sentence [0.5 + 0.5]
a) Manual Information Flow b) Electronic information flow c) Outside sources
d) Push flow e) Inventory f) Process box g) Operator h) Supermarket
i) Pull flow j) Kanban post
- Q.4** ii) What are 3 basic contents of Value Stream?
iii) What are the 3 Enterprise Value Streams?
iv) Explain the four steps in Value Stream Mapping.