

Code: 9E00204

MBA - II Semester Regular & Supplementary Examinations, August/September 2012

**PRODUCTION AND OPERATIONS MANAGEMENT**

(For students admitted in 2009, 2010 & 2011 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 How do you justify the argument of operations management is replacing POM?
- 2 Write short notes on:
  - (a) Process design.
  - (b) Product design.
  - (c) Product life cycle.
- 3 Sketch the principles of good plant layout.
- 4 Explain the intricacies of aggregate planning.
- 5 Differentiate job shop and continuous production with examples.
- 6 Write short notes on:
  - (a) Job variety.
  - (b) Work sampling.
  - (c) Work study.
- 7 Elaborate total productivity model with examples.
- 8 A manufacturer of wet grinder tested its product to assess the various maintenance performance measures. Fifty wet grinders were each put to test for a running time of 1000 hours. It was found that there were totally 60 failures during the testing phase. Totally 1350 hours were lost on account of identifying the problem and restoring it back to working condition. Based on this information, compute the following measures:
  - (a) Failure rate of wet grinder.
  - (b) Mean time between failures (MTBF) and mean time to repair (MTTR)
  - (c) Availability of wet grinders.

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