

Code: 9E00204

MBA II Semester Regular & Supplementary Examinations, October/November 2013

PRODUCTION AND OPERATIONS MANAGEMENT

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 Justify the argument of operations management is replacing POM.
- 2 Discuss:
 - (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 about:
 - (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 10 hours. It was found that there were totally 6 failures during the testing phase. Totally 1550 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.
