

**EXECUTIVE MBA
(EXMBA)
Term-End Examination
June, 2013**

MCT-060 : OPERATION MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions.

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1. (a) Define Operation Management in terms of its contribution to an organization and the activities it involves. 10
 - (b) Describe major historical development in Operation Management. 10
 2. (a) Describe how an operations strategy is formulated from the business strategy. 10
 - (b) Describe the meaning of productivity. Explain the three types of productivity measures. 10
 3. (a) Name different forecasting methods. Describe time series analysis in detail. 10
 - (b) Causal relationships are potentially useful for which components of time series ? 10

4. (a) What does the product-process matrix tell us? Where would you place 'U S Pizza' on the matrix? 10
- (b) How would you determine the idle time percentage from a given assembly-time balance? 10
5. (a) Where Material Requirement Planning (MRP) can be used? What are the advantages of MRP? 10
- (b) Describe Just-in-time implication in operation management. 10
6. (a) What recent changes have caused supply chain management to gain importance? 10
- (b) What are the advantages of using postponement strategy? 10
7. (a) What are the objectives of work-centric scheduling? 10
- (b) What priority rule do you in scheduling your study time for midterm examinations? If you have five exams to study for, how many alternative schedules exist? 10

8. (a) An Electronics company makes communication devices for military contracts. The company just completed two contracts. The navy contract was for 2,300 devices and took 25 workers two weeks (40 hours per week) to complete. The army contract was for 5,500 devices that produced by 35 workers in three weeks. On which contract were the workers more productive ? 10
- (b) Comment, "Once we get everybody on incentive plan, then we will start our work measurement program." 10
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