

MAY 2016

**P/ID 77511/PMBL/
PMB1L/PMBSN**

Time : Three hours

Maximum : 100 marks

PART A — (5 × 6 = 30 marks)

Answer any FIVE questions.

1. Discuss about the availability of modern materials handling equipments.
2. Discuss the steps involved in process planning.
3. Define the term plant capacity and discuss its role in operations management.
4. Describe the importance of workers safety.
5. Distinguish between Economic Order Quantity and Economic Batch Quantity.
6. What is meant by Safety stock and discuss its importance in OM.
7. Discuss about the store keeping management.
8. Discuss the concept of standard E-work sampling technique.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Explain the difference between production management and operations management.
10. Identify an Operations system in your own life. What are the inputs, operations, process activities and outputs involved?
11. How much safety stock should be carried in an MRP system? What is the role of safety stock in MRP system? Where should safety stock be carried?
12. Discuss how JIT reduces costs – not including inventory.
13. Suppose you make electronic calculators which contain a chip purchased from a local vendor. How would you decide how much inspection to perform on the chips supplied to you?
14. How would you determine the effectiveness of maintenance strategy? Explain.
15. Discuss the relationship between work measurement and job design. Which typically follows the other? Why? Explain.
16. What is method analysis? Contrast operation charts and activity charts with examples of each.

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PART C — (1 × 20 = 20 marks)

Compulsory – Case study

17. East-West Airlines would like to set up a continuous training program for its aircraft maintenance workers. Describe how such a program might work. What would the expected result be?
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