



PRESIDENCY UNIVERSITY, BENGALURU
SCHOOL OF MANAGEMENT

Max Marks: 100

Max Time: 180 Mins

Weightage: 50 %

Set A

COMPREHENSIVE EXAM

II Semester 2016-2017 Course: **MBA A 104 Production & Operations Management**

31 May 2017

Instructions:

- i. Avoid false numbering.
- ii. Elucidate your answers with suitable illustrations where needed.

Part A

(10 Q x 2M= 20 Marks)

1. Explain Central Limit Theorem.
2. Define Pegging.
3. What is Planning Time Fence?
4. Explain make or buy analysis.
5. Explain Reverse Engineering.
6. Explain Pipeline Inventory.
7. What is Job Enlargement?
8. What is Quality Function Deployment (QFD)?
9. Explain Remanufacturing.
10. Explain Lot Sizing.

Part B

(8 Q x 5M= 40 Marks)

11. What are the advantages of Process Layout?
12. What are the Phases in Product Development Process?
13. Explain the multifactor approaches in measuring productivity?
14. What are the characteristics of well designed service systems?
15. What are the Limitations of a Product Layout?
16. Elucidate the Determinants of Quality?
17. What are the basic reasons the company should need a Warehouse?
18. Describe PDCA Cycle with Diagram.

Part C

(2Q x 20 M= 40 Marks)

19. Demand of computer keyboards at a retail store is 500 units per month. The upstream vendor (wholesaler) is responsible for fulfilling the needs of this retailer. While placing the order, retailer incurs a cost of Rs 200 each time an order is placed. Each keyboard costs retailer Rs 100 and the retailer has a holding cost of 20 percent. Find
- What should be the order size of the keyboards?
 - How many times retailers should place the order in a month?
 - What is the cycle inventory?
 - What is the average flow time?
20. A new McDonald franchisee is considering setting up an information desk manned by one employee. Based upon information obtained from similar information desks, it is believed that people will arrive at the desk at a rate of 10 per hour. It takes an average of 2 minutes to answer a question. It is assumed that the arrivals follow a Poisson distribution and answer times are exponentially distributed.
- Find the probability that the employee is idle.
 - Find the proportion of the time that the employee is busy.
 - Find the average number of people receiving and waiting to receive some information.
 - Find the average number of people waiting in line to get some information.
 - Find the average time a person seeking information spends in the system.
 - Find the expected time a person spends just waiting in line to have a question answered (time in the queue).



PRESIDENCY UNIVERSITY, BENGALURU
SCHOOL OF MANAGEMENT

Max Marks: 50

Max Time: 120 Mins

Weightage: 25 %

Set A

TEST 2

II Semester 2016-2017

Course: **MBA A 104 Production & Operations Management**

11 April 2017

Instructions:

- i. Avoid false numbering.
 - ii. Elucidate your answers with suitable illustrations where needed.
-

Part A

(6 Q x 1M= 6 Marks)

1. What is Aggregate Demand?
2. Explain Cycle Counting.
3. Explain Demand Management.
4. What is Warehouse?
5. Define Logistics.
6. What is Planning Time Fence?

Part B

(8 Q x 4M= 32 Marks)

7. In any manufacturing organization sampling process consist of several stages. Elucidate on these stages.
8. To have a good warehouse one should keep in mind the various characteristics of warehouse. Explain these characteristics in detail.
9. There is a way for developing Master Production Scheduling (MPS), so what is the procedure followed for developing MPS?
10. As a Production Manager you are creating MPS with some objectives. Elucidate on those objectives.
11. Production Capacity has got several dimensions. Explain those dimensions.
12. What are the basic reasons the company should need a Warehouse?
13. Production planning is an important activity in Production. Why aggregate planning is required for Production Planning?
14. Medium range production capacity has got a source. Elucidate on the source

Part C

(1Q x 12 M= 12 Marks)

15. You have been appointed as QA Manager of the Organization. What types of Acceptance Sampling Plan you will follow in the Organization for better mix of quality control?



PRESIDENCY UNIVERSITY, BENGALURU
SCHOOL OF MANAGEMENT

Max Marks: 50

Max Time: 55Mins

Weightage: 25 %

Set A

TEST 1

II Semester 2016-2017 Course: **MBA A 104 Production & Operations Management**

21 Feb 2017

Instructions:

- i. Avoid false numbering.
- ii. Elucidate your answers with suitable illustrations where needed.

Part A

(5 Q x 1 M= 5 Marks)

1. What are the external inputs of an Operations Systems?
2. What is JIT?
3. Explain make or buy analysis.
4. What is benchmarking?
5. What are intangible resources in operations strategy?

Part B

(5 Q x 5 M= 25 Marks)

6. What are the Dimensions of Quality?
7. Explain PDCA Cycle with diagram.
8. What are the elements of TQM?
9. What are Determinants of Quality?
10. Elucidate on Cost of Quality.

Part C

(1 Q x 20M= 20 Marks)

11. You have been appointed as purchasing manager of an Organization. What steps you will follow for implementing the right purchasing process?