

P.T.Q.M.

7.3.20

[TIME: 2:30 hrs]

Q.P. CODE: \_\_\_\_\_

[Marks: 75]

Please check whether you have got the right question paper.

**N.B:1.** All the questions are compulsory.

2. Figures to the right indicate full marks.

**Q1. A) Fill in the blanks. (Any 8)**

08

1. \_\_\_ Goods are products used by the manufacturers directly for further processing.
2. \_\_\_ stage is the first and the most significant stage in any product design.
3. Material Management is concerned with the management of \_\_\_ resources.
4. The maintenance of good \_\_\_ relations helps in creating better image in business circle.
5. TQM is a preventive tool to be termed as \_\_\_\_\_ Defect Approach.
6. The actual implementation of TQM begins from \_\_\_ and flows down to bottom.
7. Kaizen is the practice of \_\_\_\_\_ improvement.
8. \_\_\_ principles can be applied to any sector with little adaptation.
9. Potential Problem Analysis forms the base of the \_\_\_ and contingency actions.
10. The term Productivity' refers to the relationship between \_\_\_ and factors.

**B) Match the Column (any 7)**

07

Group A		Group B	
1)	Production Management	A	Capacity Planning
2)	F-S-N classification	B	Process to quality assurance
3)	Standardisation	C	Raw materials into finished-goods
4)	Break Even Analysis	D	Identify the root causes
5)	Batch Production	E	Manufacturing products in batches or lots
6)	Quality Management	F	Problem-solving techniques
7)	Cause-effect Diagram	G	Accounts the pattern of issues from stores
8)	Total Quality Management	H	September 1994
9)	Quality circle	I	Customer-oriented philosophy
10)	QS 9000	J	Function of material department

Q.2 A. What are the objectives of production management?

08

B. Explain Continuous or flow production in detail.

07

OR

C. Explain in detail Consumer product.

08

D. List down the characteristics of an efficient plant layout.

07

- Q.3 A. What are the objectives of materials management? 08  
B. What are the principles of materials handling? 07

OR

- C. List down the factors affecting quality. 08  
D. Explain 'Servqual'. 07

- Q.4 What are the seven basic concepts of Problem Analysis. 08  
B. DMAIC PROCESS. 07

OR

- C. List the goals of Six sigma. 08  
D. Write a note on MBQNA. 07

**Q5. A.** Two components, A and B are used as follows

Normal usage 50 units per week each

Minimum usage 25 units per week each

Maximum usage 75 units per week each

Reorder quantity A: 300 units

B: 500 units

Reorder Period A: 4 to 6 weeks

B: 2 to 4 weeks

Calculate, for each component

- (i) Reorder level (ii) Minimum level (iii) Maximum level, and (iv) Average stock level. 08

**B.** ABC Ltd. Purchase computer chips at the rate of Rs. 75 each. The annual consumption of chip is 54,000 units. If the ordering cost is Rs. 250 per order and carrying cost is 25% pa, what would be the EOQ and Total Cost? If the supplier offers a discount of 10% for ordering 9,000 units. Per order, do you accept the discount offer? 07

OR

**C. Short notes: (any three)** 15

1. 'Servqual'.
2. DMAIC PROCESS.
3. QS 9000 Series.
4. Industrial product.
5. Inventory control techniques.

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