

MP-204(Old)/MP-109

December - Examination 2016

Master of Business Administration - I Year Examination**Operations Management****Paper - MP-204(Old)/MP-109****Time : 3 Hours]****[Max. Marks :- 80**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A**8 × 2 = 16**

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the questions delimit your answer in one sentence upto 30 words. Each question carries 2 marks.

- 1) (i) Why operation scheduling is important in an industry?
- (ii) Explain the term economic order quantity.
- (iii) Write, name of four companies of FMCG sector.
- (iv) Name the methods of forecasting.
- (v) Determine the forecast of demand for 4th month using 3 months simple moving average method.
Demand details are:

Month	1	2	3
Demand (Units)	120	130	110

- (vi) Explain the term operations management.
- (vii) Write objectives of material requirement planning.
- (viii) Name three logistic companies.

Section - B**4 × 8 = 32**

(Short Answer Questions)

Note: Answer **any four** questions within a limit of 200 words each.

- 2) Define stages of six sigma. How is six sigma being used as a quality improvement tool for passenger four vehicle segment.
- 3) An Auto Parts supplier has to supply 12000 units of a product per year to his customers. The demand is fixed and the shortage cost is assumed to be infinite and production is instantaneous. The inventory holding cost is Rs. 0.50 per unit per month and setup cost per run is Rs 300. Determine:
 - (i) The optional run size (q_{opt} .)
 - (ii) Minimum total expected cost per year.
- 4) Write down in detail the stages of a product design with suitable example of Laptop Computers.
- 5) You are working as quality documentation engineer in a washing machine manufacturing segment of a company. You are being asked by management to obtain ISO 9003 from an authorized certification body:
 - (i) Name two authorized ISO 9000 certification bodies.
 - (ii) Explain ISO 9003 certification requirement for the washing machine manufacturing process for your company.

- 6) Draw a line diagram of supply chain management for dairy milk products. Explain the key drivers in dairy milk product company for which you as being manager supply chain improve the customer satisfaction.
- 7) Explain the elements of standard time. What are steps you would initiate for reduction of standard time in fridge manufacturing company.
- 8) Explain the historic evaluation in quality management systems indicating the concept and features of each stage.
- 9) Distinguish between mass production system and batch production system.

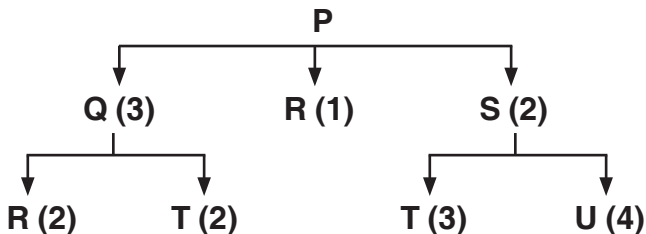
Section - C

$2 \times 16 = 32$

(Long Answer Questions)

Note: Answer **any two** questions with a limit of 500 words.

- 10) Explain Selective Inventory Control methods with suitable examples.
- 11) (i) Explain the elements of material requirement planning.
(ii) Below figure shows the product structure of end product P. If 50 units of P are to be produced, what are the various Lower Level items.



- 12) You are being placed as environmental officer in a public sector sanitation company. What are necessary steps you would initiate for clean environment and clean India movement. Write your answer with respect to the known company initiatives.
 - 13) What are new developments you would initiate in operations management being company head with respect to quality, skill, scale and productivity.
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