



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 270202

Roll No.

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M. B. A.

(SEM. II) THEORY EXAMINATION, 2014-15
OPERATIONS MANAGEMENT

Time : 3 Hours]

[Total Marks : 100

SECTION - A

- 1 Attempt all the questions : 10×2
- (a) What is Line of Balance?
 - (b) What is master scheduling?
 - (c) Explain Juran's trilogy concept.
 - (d) Write a note on Production Cycle.
 - (e) Differentiate between Production and operations Management.
 - (f) Write a short note on PDCA Cycle.
 - (g) Explain EOQ.
 - (h) Explain the concept of JIT.
 - (i) Explain the various stages involved in new Product Development with reference to Manufacturing Industry.
 - (j) What is MRP ?

SECTION - B

Attempt any three questions. All questions carry **3×10** equal marks :

- 2 Explain 7QC tools and 7 new QC tools.
- 3 Write down Deming's 14 principles for management.
- 4 Explain the concept of forecasting and its various models.
- 5 Explain the factors affecting the plant location. Also discuss the Layout planning of the Plant.
- 6 Explain the concept of total productive maintenance and how it reduces cost and increase productivity.

SECTION - C

Attempt all the questions. All questions carry **5×10** equal marks :

- 7 Briefly describe the dimensions of quality, for which a consumer looks in a product and apply for the product.

OR

Discuss the ABC model of inventory control. How it is different from EOQ model?

- 8 Discuss the different types of production process in detail.

OR

What do you mean by Operations management? What are the responsibilities of operations manager.

- 9 Differentiate between push and pull production system. Give suitable examples.

OR

What is Six Sigma? How it is implemented?

- 10 Discuss the purpose and scope of work study. Distinguish between time study and motion study.

OR

A manufacturer buy equipment from supplier costing Rs 30 per unit. Total annual needs are 800 units. The following data is available -

Annual return on investment is 10%.

Rent, Insurance etc per unit per year is Re 1.

Cost of placing an order is Rs 100.

You are required to calculate EOQ.

- 11 Explain the concept of Production planning and control in detail.

OR

Write the short notes on the following:

- (a) Critical path method
- (b) Aggregate production planning.
