



SC-4016

M. B. A. (Sem. II) (Full Time & Evening) (ATKT)
Examination
April / May – 2011
Production and Operations Management
(Old Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

नीचे दशांशक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी.
(1) Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. B. A. (Sem. 2) (Full Time & Evening) (ATKT)

Name of the Subject :
Production and Operations Management (Old)

Subject Code No. : 4 0 1 6 Section No. (1, 2,.....): 1&2

Seat No. :

Student's Signature

- (2) Figures to the right indicate marks to the respective questions.
(3) Answers to the two sections must be written separately.
(4) Q. no. 1 in Section - I and Q. no. 5 in Section - II are compulsory. Attempt any two full questions from question no 2, 3, 4 and two and full questions from 6, 7, 8.

SECTION - I

- 1 What do you understand by the term "Facility Location" ? 18
Explain the factors that affect the selection of a new facility.
- 2 Define operations and production management. Explain 16
operations and production management from system's
perspective by taking suitable example.
- 3 What do you understand by "plant layout" ? Explain 16
Product and process layout along with advantages and
disadvantages.
- 4 Write short notes ; (any two) 16
(1) New product development
(2) Value analysis/value engineering
(3) Demand forecasting
(4) Materials Handling

SECTION - II

- 5 (a) Write a short note on statistical quality control. 9
(b) ABC company estimates the demand of a product 9
for the forthcoming year will be 25000 units.
The ordering cost is Rs 75 per order and the inventory
Carrying cost is 15% per year. The purchase price is
Rs 35 per unit. Find out Economic Order Quantity (EOQ).

- 6 The processing time (Days) of 7 jobs on two machine 16
is given below. Sequence the jobs in two machines by
using Johson's method. Also find out total elapsed time
and idle time on each machine.

<i>Job</i>	1	2	3	4	5	6	7
<i>Machine -1</i>	4	8	9	11	2	3	13
<i>Machine -2</i>	7	3	5	7	10	12	9

- 7 (a) Write a short note on "Inputs to the standard 8
material requirement (MRP) system."
(b) Write a short note on purchasing management. 8
- 8 Write short notes : (any two) 16
(1) Maintenance management
(2) Industrial safety
(3) Total quality management
(4) ABC analysis.
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