

SVKM's NMIMS
NMIMS – GLOBAL ACCESS SCHOOL FOR CONTINUING EDUCATION

Programme: DSCM/PGDSCM

Examination: December 2014
Subject: Operations Management

Semester: II
Course : New
Marks : 70

Date: 05.01.2015

Time: 11.00 a.m. to 2.00 p.m.

Instructions:

1. Answer to each new question to be started on a fresh page.
 2. Figures in bracket indicate full marks.
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Q.1) Attempt any 2 out of 4

(Marks: 2X5=10)

- a) Advantages of automation
- b) Batch production
- c) Plant location
- d) Product layout

Q.2) Write Short Notes on any 2 out of 5

(Marks: 2X5=10)

- a) Job shop production
- b) Total productive maintenance
- c) Types of inventory costs
- d) Advantages and Disadvantages of predictive maintenance
- e) Why quality is important?

Q.3) Attempt any 3 out of 5

(Marks: 3X10=30)

- a) *Describe each of the four costs of quality: prevention, appraisal, internal failure, and external failure. Next, describe how each type of cost would change (increase, decrease or remain the same)*
- b) What are the advantages and disadvantages of process layout and product layout?
- c) What are the factors affecting process selection?
- d) Explain the different types of production system?
- e) Define total productivity and partial productivity?

Q.4) Attempt both the questions

(Marks: 2X10=20)

- a) Describe the interfaces with other functions in operations management.
- b) Explain TQM and its five pillars.