

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

Programme: DSCM/PGDSCM

Examination: April 2018
Subject: Operations Management

Semester: II
Course : New
Marks : 70
Time: 11.00 a.m. to 2.00 p.m.

Date: 22.4.2018

Instructions:

1. Answer to each new question to be started on a fresh page.
2. Figures in bracket indicate full marks.

Q.1) Attempt any 2 out of 4.

(Marks: 2X5=10)

- a) What is the role of an Operations manager in operations management?
- b) Discuss in brief the concept of 'Value driven approach' in operations
- c) What are the various Environmental issues that arise in operations management?
- d) What are the pros and cons of a Product Layout?

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

(Marks: 2X5=10)

- a) Mass Production
- b) 6 sigma & TQM
- c) Product Life Cycle
- d) Cellular layout
- e) Design for Manufacturability (DFM)

Q.3) Attempt any 3 out of 5

(Marks: 3X10=30)

- a) Explain the significance of 'Break even analysis'. What are the various factors that are considered for a Break even analysis?
- b) Discuss Fixed Quantity ordering system and Fixed Time Period ordering system.
- c) Explain the various maintenance strategies that can be implemented for "Total Productive Maintenance".
- d) Discuss the concept of 'Lean Manufacturing' and explain its significance.
- e) What are the various factors considered for evaluating and deciding for a plant location?

Q.4) Attempt both the questions

(Marks: 2X10=20)

- a) What are the various strategies that can be implemented for an effective 'Product Development' process?
- b) Discuss in detail the various techniques in 'Production Planning & Control' in operations management.
