

# SVKM's NMIMS

## School of Distance Learning

Programme: DBM/PGDBM/DMM/PGDMM/DFM/PGDFM/DHRM/PGDHRM

Academic Year: 2011-2012

Semester II

Subject: Management Of Machines and Material

Marks: 70

Time: 11.00 a.m to 2.00 p.m

Date: 31.12.2011

Course old

**Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.**

### Notes

1. Answer to each new question to be started on a fresh page
2. Figure in brackets indicates full marks.

### Q.No.1 ( Attempt any Two questions)

( 2 X 5 = 10 )

- a. State the strategic importance & objectives of facilities location
- b. What is systematic layout planning?
- c. Define Job design & state the important factors to be considered while designing a job.
- d. What are the main objectives of maintenance management? Explain in brief.

### Q.No.2 Write Short Notes on Any TWO

( 2 X 5 = 10 )

- a. Value Engineering
- b. Vendor Evaluation
- c. Process life cycle
- d. Importance of Ergonomics & human engineering to job design
- e. Roll of automation in mass production

### Q.No.3 ( Attempt any Three questions)

( 3 X 10 = 30 )

- a. Discuss the use of Work Sampling in Work Study. How do you calculate the number of observations to be taken?
- b. Distinguish between Mass & Batch Production. Under what circumstances is batch production justified?
- c. "Product Development & Design is basically a research & development activity" Elaborate the statement with suitable examples.
- d. Explain why the in-process inventory is likely to be higher for an intermittent operation than for a continuous flow operation?
- e. " Work Study is one of the productivity improvement techniques chosen for achieving objectives of work design" Explain with illustrations

### Q.No.4 ( Attempt any Two questions)

( 2 X 10 = 20 )

- a. Which factors influence the decision to choose a new location of plant? What are the objectives of plant layout?
- b. Explain the concept of integrated approach to layout planning & material handling system design, with illustrations
- c. What are the distinctive feature and advantages / disadvantages of a Job Production system as compared to Mass & batch production System? Explain

X