Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐

Z 4509

M.B.A. DEGREE EXAMINATION, MAY/JUNE 2008.

Second Semester

BA 1651 — PRODUCTION MANAGEMENT

(Regulation 2005)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the objectives of production management?

2. List the drivers of supply chain.

3. List the types of replenishment systems.

4. What are the objectives of MRP?

5. List the strategies for smoothing fluctuations in demand.

6. What are the stages of design process in a CAD system?

7. What is scheduling?

8. What is a dummy activity?

9. What is a relationship chart in ALDEP?

10. What conditions demand the choice of a sub-urban location?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the types of production systems.

Or

(b) Explain the elements of CIM with a diagram.

12. (a) Company X estimates that it will sell 12,000 units of its product in the following year. The ordering cost in Rs. 100 per order and the carrying cost per unit per year is 20% of the purchase price per unit. The purchase price per unit is Rs. 50/– Find

   (i) The EOQ

   (ii) Number of orders per year

   (iii) Time between successive orders

   (iv) Total cost (without material cost).

Or

(b) Elaborate on the phases of ERP implementation.

13. (a) Explain the methods of aggregate planning using examples.

Or

(b) Explain the various methods of quantitative forecasting.

14. (a) Using Johnson's Algorithm obtain the optimal sequence which will minimize the makes span.

Job (i)	1	2	3	4	5	6
M/C 1	5	2	13	10	8	12
M/C 2	4	3	14	1	9	11

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(b) Identify the critical path based on total float.

Activity	A	B	C	D	E	F	G
Predecessors	-	A	A	B	B	C,D	E,F
Activity Time (Weeks)	4	3	2	5	3	4	3

15. (a) Elaborate on the types of Layouts.

Or

(b) Explain the different techniques of work measurement.

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