II Semester M.B.A. (Day) Degree Examination, June 2008
(Updated Scheme)
MANAGEMENT
2.3 : Production and Operations Management

Time: 3 Hours

Max. Marks : 75

SECTION – A

1. Answer any six questions. (6×2=12)

   a) Cell layout

   b) Six sigma

   c) '5S' House keeping

   d) Value engineering

   e) JIT

   f) Productivity

   g) Production system

   h) Logistics

   i) Product - Process Matrix

SECTION – B

Answer **any three** questions. (3×8=24)

2. a) What is QFD

   b) What are control charts ?

3. a) Explain the 6 types of wastes

   b) What is Japanese Management ?

4. a) Explain the under development process.

   b) Discuss the historical development of POM.

5. Write short notes on :

   a) Pokayoke

   b) ISO standards.

6. a) Explain the concept of 6 sigma

   b) What is benchmarking.

SECTION – C

Answer **any two** questions.   (2×12=24)

7. Write short notes on :

   a) Methods analysis

   b) Compensation

   c) Job Design

8. Consider the following assembly network relationship of a product. The number of shifts per day is one and the number working hours is 8. The company aims to produce 40 units of the product per shift. Identify the cycle time, Number of work stations.

Group the operations and balance the assembly time.

Operation	Preceding Operation	Duration Min.
1	–	8
2	1	3
3	1	2
4	1	4
5	3, 4	7
6	2, 7	4
7	2, 4, 5	5
8	4	6
9	(6, 5)	8

9. Why is maintenance ? Why is it necessary ? Discuss the different types of maintenance and their importance.

SECTION – D

Case study :

15

10. Discuss the quality gures their contributions to quality and the quality awards with respect to some organisations you know.