

C 46668

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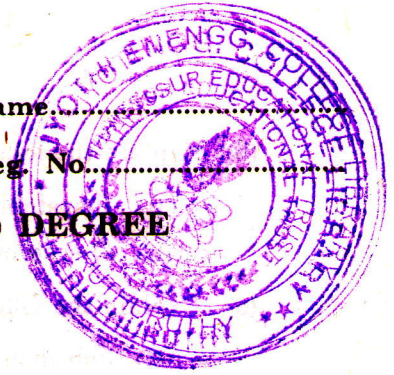
Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, JUNE 2008**

ME 04 802—OPERATIONS MANAGEMENT

(2004 admissions)



Time : Three Hours

Maximum : 100 Marks

Answer all questions.

1. (a) Differentiate tactical and strategic decision.
(b) Differentiate CPM and PERT networks.
(c) What is meant by (i) Inventory problem and (ii) Inventory model ?
(d) Define the following :—
 - (i) Opposing costs.
 - (ii) Opportunity cost.
- (e) What are the objectives of PPC ?
(f) Define forecasting and explain its importance.
(g) What do you mean "line balancing" ? Explain.
(h) Explain systematic layout planning.

(8 × 5 = 40 marks)

2. (a) (i) List the three views of a decision problem.
(ii) Explain the procedure employed to reach a decision using the rational method.

(3 marks)

(12 marks)

Or

- (b) Describe in your own words the meaning of the following concepts related to critical path analysis :—

- | | |
|----------------------|-------------------------|
| (i) Event. | (ii) Critical activity. |
| (iii) Critical path. | (iv) Critical resource. |
| (v) Event. | |

(5 × 3 = 15 marks)

3. (a) Describe the following :—

- (i) Functions of inventories.
- (ii) Inventory cost.
- (iii) Inventory control.

(5 marks)

(4 marks)

(6 marks)

Or

Turn over

(b) Explain the following :—

(i) P-system design.

(8 marks)

(ii) Q-system design.

(7 marks)

4. (a) Explain the following in detail :—

(i) Job shop scheduling.

(6 marks)

(ii) Flow shop scheduling.

(9 marks)

Or

(b) Explain any *two* methods of forecasting in details.

(15 marks)

5. (a) Explain the specific characteristics of computerized relative allocation of facilities techniques in detail.

Or

(b) Explain the various types of facilities layout in detail ?

(15 marks)

[4 × 15 = 60 marks]