Name.

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.

 $(8 \times 5 = 40 \text{ marks})$

2. (a) (i) List the three views of a decision problem.

(3 marks)

(ii) Explain the procedure employed to reach a decision using the rational method.

(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.

 $(5 \times 3 = 15 \text{ marks})$

3. (a) Describe the following:-

(i) Functions of inventories.

(5 marks)

(ii) Inventory cost.

(4 marks)

(iii) Inventory control.

(6 marks)

Or

Turn over

MATANE.		A CHANN IN
(b)	Explain the following:—	
	(i) P-system design.	(8 marks)
34434	(ii) Q-system design.	(7 marks)
4. (a)	Erwiein the following in dotail:	
	(i) Job shop scheduling.	(6 marks)
And the	(ii) Flow shop scheduling.	(9 marks)
po Marks	or Or	argell would awall
(b)	Explain any two methods of forecasting in details.	(15 marks)
	I may be a first the first of the factors are	The state of the s
5. (a)	in detail.	marantil 42.
	reams by (it threaten), problem of the inventory model?	er tan'il (or better to
(b)	Explain the various types of facilities layout in detail?	Girade (1 (b)
(0)	with the state of	(15 marks)
	Mortually rest.	$[4 \times 15 = 60 \text{ marks}]$
	Care to the second of the seco	or MAN (e)
	N College Washington (N. 1997) The College of the address of the section of the s	Tomes &
	rout mean time balancing. "Committee of the more	agent (g) What in
ealinin H	to the second of	msigzit (d)
Agranacks (3 marks		
	omelectic order entreases a decision of the contract of the co	
athon II	the state of the s	edig and the
itsa tabah	in voint own words the rase office fellowing concepts related to col	
	The second secon	sorpest ka
	tent	3 (0)
	formal pasters - Livit Oritical resource	0 (6)
	The state of the s	(8 · (v)
15 marks	为8×67—10万里。	
	the following	(a) Departure
ts marke	onellops of theentprise.	a (p
edison ()	averatory between	山田山东
eathain (b)	The Morange graduing	d (iii) KK
A CANA		