B.E. 6th Semester (Mech. Engg.) Examination,

process number, number,

INDUSTRIAL ENGINEERING

Write notes Paper-ME-312-E

Tim	ne allowed: 3 hours] [Maximum marks: 100
	e: Attempt any five questions. All questions carry equal marks.
	Define Method Study. Discuss various techniques of method study, asvitosido ant aus tadw (8) 20
2.	(a) Discuss the need and methods of Job Evaluation. Discuss the need and methods of Job Evaluation. 10 (b) Discuss various incentive payment schemes.
niw	01 Processing times in hours are given in follo
3.	(a) Differentiate between: 10 (i) Direct and Indirect Cost. (ii) Fixed and Variable Cost. (b) "Inventory is a necessary evil". Comment. 10
4.	 (a) Derive a relation for Economic Order Quantity (EOQ). (b) Discuss techniques of selective inventory
	control. 8

5. (a)	Each day a sample of 50 items from a product			
	process was examined. The m	umber		
	of defectives found in each sample	was as		
	follows:	10		
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6, 2, 5, 3, 4, 1, 2, 5, 0, 6, 4, 3, 2, 1, 8, 7, 5.

Draw a suitable control chart and check for

- (b) Discuss the methodology of double sampling plan. 10
- 6. (a) What are the objectives of PPC? Discuss the concept of Master Production Schedule. 10
- (b) There are six jobs which are to be processed first on Machine A and then on Machine B.

 Processing times in hours are given in following table. Find the optimal sequence.

	Job	Machine A	Machine B
	1 Jan')	7 IdainaV Ima bax	3 (iii)
	2	4	8
	3	ory is a necessar	0
Order Quantity 10	onomic	a relation for Ec	0
	5 f select	e techniques o	(OOd) 4
01	6	8	louingo 1

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7.	. (a) Discuss the role of MIS in enhance	ancing
	productivity of an organization.	10
	(b) Discuss the concept of Product Life Cyc	le. 10
8	Write notes on: 1-ME 312-E	
	(a) Value Engineering	
	(b) Importance of Ergonomics	
	(c) Product Life Cycle.	- 20
	Define Method Study Discuss various technique	00 00
	inched study	
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	(b) Discove various in nervie payment school	
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