		Industrial Engine	ering (ME.3O7E)			
Time: Three Hou Note: - Attempt a	irs ny FIVE questions.		Ma	aximum Marks: 10	0	
1 (a) Trace out the evolution of factory system in its n (b) Describe different principles of plant layout.			odern form.	(10) (10)		
(i). The sale in the (ii) Coefficient of (iii). Standard erro	or of estimate and	004.		te: (20)		
Assume a linear forecaster. Year 1998 1999			2000	2000 2001 2002		
Sale	40	80	60	100	140	
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 3. Explain factors affecting inventory levels. (a). Define and describe in brief: (i). mean (ii). median (iii) Mode (iv). Range (v). Standard deviation (b). Describe control charts for variable. 			(10) (10)			
5. Explain types of production in detail.			(20)			
6. (a). Explain in brief various methods of allocating overhead expenses. (10) (b). The fixed costs for the year 2OO2-O3 are Rs. 80,000. The estimated sales for the period are valued at Rs. 2,OO,000. The variable cost per unit for the single product made is Rs. 4. If each unit sells at Rs. 20, and the number of units involved coincides with the expected volume of output, construct the breakeven chart. Determine breakeven point above how much units, the company should produce in order to seek profit. (10)						
	CPM and PERT. s purchased for Rs reducing balance		(6) (6) s estimated as ten years and the scrap value as Rs. the % depreciation rate. Estimate the depreciation (8)			
8. Write short not (a). Fixed position (b). OC Curve (c). Scheduling (d). AOQ	es on any THREE n layout	of the following:		(20)		