TED (15) - 5	022	Reg. No.		
(REVISION — 2	2015)	Signature		
	MA EXAMINATION IN ENGINEER AGEMENT/COMMERCIAL PRACTICE			
	INDUSTRIAL ENGINEERIN	NG		
		[Time: 3 hou	ırs	
	(Maximum marks: 100)			
,	PART — A			
	(Maximum marks: 10)	Ma	rks	
I Ans	wer all questions in one or two sentences. Each			
	•	question carros 2		
1.	Define industry.			
2.	List the types of forecasting.			
3.	Define the term work sampling.			
4.	Define quality.			
5.	List the elements of cost.	$(5\times 2=1)$	(0)	
	PART B			
	(Maximum marks : 30)	•		
II Ans	wer any five of the following questions. Each ques	stion carries 6 marks.		
1.	List and explain the functions of PPC.			
2.	Explain the concept of value engineering with its a	dvantages.		
3.	Explain the procedure for the conduct of method s	study.		
4.	Compare floor inspection and centralized inspection	on		
5.	Draw and explain normal distribution curve.			
6.	Explain the procedure for double sampling plan.	. * *		
7.	Explain the various causes of depreciation.	(5×6 =	30)	

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[P.T.O.

PART — C

Marks

(Maximum marks: 60)

(Answer one full question from each unit. Each full question

		run question from each unit. Each full question carries 15 marks	
III	()	UNIT — I	i.)
III	(a)	Explain the types of production.	
	(b)	Draw and explain break even analysis curve.	8
		OR	. 7
IV	(a)	Explain various types of plant maintenance.	
	(b)	State and explain the principles of material handling.	8
		Unit — II	7
V	(a)		
	(b)		9
			, 6
VI	(a)	OR Explain the principles of motion economy.	
	(b)		9
			6
VII	(a)	Unit — III	9
	(b)	List the procedure for constructing X and R charts.	9
	(0)	Find the mean, median and mode of the data given below. 4,2,5,6,8,9,6,6,1,3	
			6
VIII	(a)	OR Explain the components of quality costs.	
	(b)	State the advantages of C chart.	9
	i A		6
ΙX	(a)	Draw and avaloin OC - C	
	(b)	Draw and explain OC curve for general plan.	10
	(0)	Distinguish between estimating and costing.	.5
X	(a)	OR	
	(b)	Describe the procedure for estimating.	9
	(0)	Using straight line method find out the depreciation fund accrued at the end of 5 years for the machine whose initial cost is 1,00,000 and the scrap value after 10 years is 25000	
		after 10 years is 25000	
			6