	Exam No:							
E – 3 HO UJ				Sem-II JULY 201	ering	L MARI	KS-70	-
UCTION:-	2) F	all questions are con igures to the right i	indicate full ma	irks. er necessary	Cost Preci		0	
		. <u>S</u>	SECTION-I					
Explain ANC)VA a	Quality Assurance		ality appro	ach			[12]
Describe the	goal a	and importance of	OR	ianty appro	acin			
Explain T.Q.	.M. m	odels briefly.	AD ADMINISTRA	75				[12]
State and exp Enlist Juran'	plain t s steps	he factor to be constant for quality impro	nsidered in de ovement and	esigning for explain the	reliability m in brief.			[11]
Explain the	variou	s steps in quality	control progra	amme.				
Datamina tl	ne con 20. It	atrol limit for \bar{X} a is given that A_2 =	nd R charts it	$f \sum \bar{x} = 357$	7.50, $\sum R$ and $d_2 =$	= 9.90. Nu 3.735.Also	imber os find the	
process capa			OR					[11]
of design. Control charcontainer. T	rts for The su	ng of quality of divided \bar{X} and σ are main bgroups size is 10 8 subgroups $\sum \bar{x} = 10$ at the process is in	tained on the The values 595.8 and 5	weight in k of \bar{X} and $\sigma = 8.24$.	g. of the care computed	ontents of ted for eache values	a certain th of σ' on	[**]
	dhar	A CHARLES OF DES						[12]

Attempt Any three. Que-3

TIME - 3 HOURS

INSTRUCTION:-

Que-1

Jue-1

Que-2

Que-2

(a)

(b)

(c)

(a) (b)

(c)

(a)

(b)

(a)

(b)

- Explain Taguchi's philosophy in brief. (a)
- Explain robust design with example.
- Explain concurrent engineering.
- (d) Write a short note on lean manufacturing.

SECTION-II

Que-4		Doubs to New 2018 99 Pen 3 will and non-noision 9 405 3045	[12]
	(a)	Gives types of micromachining process and explain one of it. What is micromachining process?	
	(b)	Give the name of Precision Finishing Processes. Explain it. OR	
Que-4		and the second of the second desired and the second	[12]
	(a)	What is leaser machining process? Explain in deep. Drawback of leaser machining process.	
	(b)	What is MEMC? Explain in MEMC system and also explain sensor and actuator.	1
Que-5			[11]
	(a)	What is an Air or Gas Bearing? Explain in detail.	
	(b)	How Defect categorization in Precision vision, inspection & measurement system.	
		OR	
Que-5		Service Manager Committee	[11]
	(a)	Give Five major steps of product's life cycle, and explain one of them.	
	(b)	Explain in detail Magnetic float polishing process.	
Que-6		Attempt Any three.	[12]
	(a)	Explain Honing process.	
	(b)	Explain eaching process in micromachining.	
	(c)	Notable advantages of precision grinding over diamond turning.	
	(d)	Give detail about Precision Grinding Processes.	
		Attement the following and the	
		*******END OF PAPER*****	