<b>Registration no:</b>													]	
														M.TECH
EIPC 2 <sup>nd</sup> Semester Back Examination 2016-17														EIPC202
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						Ма	ax Ma	rks:	70					
		Answer Qu	lestio	on No	).1 wł		.COD s con			nd a	ny fiv	ve fro	m the rest.	
The figures in the right hand margin indicate marks.														
Q1 Answer the following questions:													(2 x 10)	
	a)	What do you mean by simulation clock?												
	b)	Distinguish between static and dynamic simulation model with example.												
	c) d)	Define state of system with an example. Define entity, attribute And activity.												
	e)	What is the significance of Modeling and Simulation?												
	f)	What is Monte Carlo Simulation?												
	у) g)	What is Flex-sim and Pro-model?												
	h)	Define Strong law of Large number.												
	i)	What is TES process?												
	j)	Define credibility in a Simulation Model.												
Q2	a)	Drawing a flow chart Showing Steps in a Satisfactory Simulation Study.											(5)	
	b)	Write down advantages, disadvantages and pitfalls Of Simulation.												(5)
Q3	<ul><li>Q3 a) Discuss Arena And Extend.</li><li>b) What are the simulation software for manufacturing Application.</li></ul>										(5)			
											(5)			
Q4		a)Describe any one	metho	od of v	/arian	ce red	luctior	n Tech	nique					(5)
		b)Distinguish betwee Also write their adv						And n	nodifie	ed 2-s	ample	e−t c	onfidence interval.	(5)
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Q5	<ul> <li>a) Describe Time Share Computer Model.</li> <li>b) Illustrate a simulation case study of metal parts manufacturing facility.</li> </ul>									(5) (5)				
	0)		Jircus	c stuc	iy 01 11		Juitsi	nanai		ng rac	inty.			(3)
Q6	a)	•		Probability distribution by its mean?										(5)
	b)	Explain Rejection method for generating continuous random variable.												(5)
Q7		a) Differentiate between random number, random variable and random variates.												(5)
b) Describe simulation of a single server queuing system.													(5)	
Q8												(5 x 2)		
	<ul><li>a) Stratified sampling in variance reduction</li><li>b) Testing of Random number Generator</li></ul>													
	<ul><li>b) Testing of Random number Generator</li><li>c) Linked Storage Allocation</li></ul>													
	d)	Minimum Likelihood												