MEDC - 202  M.E./M.Tech., II Semester  Examination, July 2015  Modeling And Simulation Of Computer  Time: Three Hours		5.	a)	What is the role of maximum density and maximum perio				
			그리다 아프트리스 보는 이번에 가는 사람이 아니라 하는 것이 되었다. 아이들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람	BE BE 2014 - 다음 1일				
				simulation model? Explain calibration and validation				
					of models with the help of diagram.			
					Maximum Marks: 70		6.	a)
			Note: i) Attempt any five questions.  ii) All questions carry equal marks.				analysis with examples.	
b)	Consider the grocery store with one checkout counterprepare the simulation table for eight customers and fin							
١.	a)	What are the features to be considered while building a simulation model? Explain the basic steps needed to			out average waiting time of customer in queue idle tim of server, and average service time. The Inter Arriva Time (IAT) and Service Time (ST) are given in minutes			
	b)	make a simulation study. 7 Discuss any three tools that are used for reducing the			IAT: 3, 2, 6, 4, 4, 5, 8			
	U)	variance of simulation experiments.			ST (min): $3, 5, 5, 8, 4, 6, 2, 3$ Assume first customer arrives at $t = 0$			
,	a)	Discuss the Acceptance-Rejection method for the						
	,	generation of pseudo-random numbers. 7	7.	a)	<ul> <li>Explain the distinction between terminating or transier simulation and steady state simulation. Give examples</li> </ul>			
	b)	With the help of a flow diagram explain the simulation	1					
		of a style channel queuing system. 7		b)	Using suitable frequency test find out whether th			
3.	a)	explain chi-square goodness of fit test. Apply it to Poisson		U)	random numbers generated are uniformly distributed o			
		assumption with $\alpha = 3.64$ . Data size = 100 and observed			the interval [0, 1] can be rejected. Assume $\alpha = 0.05$ an $D_0 = 0.565$ . The random numbers are 0.54, 0.73, 0.98			
		frequency $O_i = 12, 10, 19, 17, 10, 8, 7, 5, 5, 3, 3, 1.$						
	b)	Describe the coefficient of variation, generation of arrivals pattern and various measures of queue. 7			0.11, 0.68.			
			8.	Wr	ite short notes on:			
4.	a)	Differentiate between: 7 i) Continuous and discrete systems		a)	Data collection			
		ii) Continuous distribution and empirical distribution		b)	Random variate distribution			
	b)	What is inverse transform technique? Derive an		c)	Normal distribution			
		expression for exponential distribution. 7			****			