## Q.P. Code :09544

[Marks:75]

			4. Mixin	g of sub	-questi	ons is n	ot allow	ed.						
						SECTI	ON - I						SF	
Q.1	A)	Explain Com	ponents o	f systen	n.	200	200			87 12 18 18 18 18 18 18 18 18 18 18 18 18 18	225	The Dr. Ve	06	
•	-	B) Write advantages and disadvantages of simulation.												
							OR S	7723			8 × × × 6	2		
Q.1													00	
	B)	A computer terminal retail person is "beeped" each die, there is a call for service, the no. of base per hour is known to occur in accordance with a Poisson's distribution with a mean of λ= 2 per hour.												
		i. Find the probability of 3 beeps in the next hour.												
		ii. Find the probability of 2 or more beeps in the next hour.												
			P	3 9 5 T	N 8 80	3333	10,000 A		DO 10 1					
Q.2	A)	A) What are the different types of models? Give example for each.												
	B)	A production	process	nanufa	ctures e	electric l	oulbs on	the ave	erage at	2% non-	confirm	ing.	0	
		Every day, a	- \7 \ \C \ \	. U VA (AV -		V _ U U U A \		' ^- Y ~ <del>-</del> Y ~ V'	. ( ) ) ( ~ )	_				
		more than two non-confirming bulbs, the process will be stopped. Compute the probability												
		that the process is stopped by the sampling scheme.												
	4.)	A hara ammirra	200				JK .	~ ~ ~ . 1	0 0 770 07	ad aanti		10.40	00	
	AJ	A) A bus arrives every 20 mins. At specify stop beginning at 6:40 a.m. and continue until 8:40												
		a.m. A certain Passengers does not know the schedule but bus arrives randomly that is uniformly distributed between 7:00 a.m. and 7:30 a.m. every morning. What is the												
		probability that the passenger wait more than 5 min. for a bus?												
	B)	What is mea	. U . A.A. ( 177Y	~ ~ ~ · · · · · · ·	(AY A-V - Y								07	
		4 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			8 × 10 0	8775								
Q.3	A)	What are cha	racteristi	cs of qu	euing s	ystem?	\$3°						0	
	B)	Consider the			1 / 10 / / /	530 000							00	
		0.52	6 7 6 9	0.46	W. W. W.	0.64	0.25	0.88	0.11	0.20	0.18			
		0.95	9 6 6	0.43	0.94	0.82	0.60	0.73	0.69	0.21	0.03			
	68	0.04		0.85	0.3	0.47	0.96	0.17	0.72_	0.62	0.27			
	87.7	0.10	7 12 12 14	0.34	3 01 /2	0.79	0.44	0.02	0.37	0.48	0.50			
	20	Determine w		e hypot	hesis of	indepe	ndence	can be i	ejected	based oi	n runs u	p and		
	\$ C	down where $\alpha = 0.05$ .												
		OR  A) Explain properties of Poisson process.												
	~ ~ 5	A) Explain properties of Poisson process. B) The sequence of numbers 0.14, 0.05, 0.44, 0.81, 0.93 has been generated. Use the												
	8 <b>2</b> J	Kolmogorov Smirnov test with $\alpha$ =0.05 to perform a test of uniformity.										00		
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5 6V	50	1,0,000	97.85 (0) 68 (6)											

[Time: Three Hours]

3. Write answers to same questions together.

1. All questions are compulsory.

be submitted together.

N.B:

Please check whether you have got the right question paper.

2. Answers to the two sections must be written in same answer book and should

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## **SECTION - II**

Q.4	A)	Explain the features of Object Oriented Programming Language.	06		
	B)	What is COM technology? What are its Application?	07		
	-	OR STATE OR	3000		
Q.4	A)	Write Short note on distributed object system.	06		
	B)	What is Object Web? Explain with proper example.	07		
Q.5	A)	Write a short note on (a) OMG (b) IDL.	06		
	_	How EJB is useful for business? Justify your answer with example.	06		
		OR STATE OF			
Q.5	A)	N) Write a short note on (a) Class emulation (b) Query Interface.			
	_	How Cross Apartments Communication is done? Explain.	06		
0.6	A)	How CORBA make easy your communication over network? Explain advantage of CORBA.	06		
Q.o	-	Explain the use of JNI in real word.	06		
	,	FOR SERVICE OR SERVICE			
Q.6	A)	Explain any five services of CORBA.	06		
	B)	What do you mean by Dynamic Linking? Explain with proper example.	06		