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	Reg. No. :			7420
	Question Pap	er Code :	50396	11. A) Weiten b
B.E./B.Tec	h. DEGREE EXAMINA Sixth	TION, NOVEM	BER/DECEM	IBER 2017
	Computer Scien CS 6601 – DISTI			
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PART - A

Answer ALL questions.

(10×2=20 Marks)

Maximum: 100 Marks

1. Define Transparency.

Time: Three Hours

- 2. List any two resources of hardware and software, which can be shared in distributed systems with example.
- 3. What are the three types of communication paradigm in distributed system?
- 4. Differentiate persistent and non-persistent connections.
- 5. Give the characteristics of peer-to-peer middleware.
- 6. What is naming and locating facility?
- 7. What are the techniques used to synchronize clocks?
- 8. Write down the types of messages in Bully algorithm.
- 9. What thread operations are the most significant in cost?
- 10. What are the priority assignment policies?

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			PART - B (5×16=8	0 Mark
11.	A) Write a brie	ef note on each of th	e challenges of distributed systems.	(10
		(OR)	o samionges of distributed systems	(1
	B) Elucidate th	he trends in distribu	ated systems.	(1
12.	A) Explain in d systems.	detail about the fund	lamental model of communication in distri	buted (1
		(OR)		
	B) Explain in d	detail the RPC archit	tecture with the functionality of its compone	ents. (1
13.	A) Discuss abo	out the Pastry Routi (OR)	ing Algorithm in detail.	.(1
	B) i) Briefly de ii) What is n LDAP.	escribe about the file name cache? List ou	e accessing models in distributed environ at its types. Also discuss about the working	ment. (10 g of (3+3
14.		how mutual exclusive briefly about global	ion is handled in distributed system.	
		(OR)		
	(flat and l	n detail about one pi hierarchical). detail about CODA.	hase and two phase atomic commit protoco	ol (
15.	A) Define three	ads. Explain all mu	ltithreading models and thread issues.	(1
		(OR)		
		e issues in load balar ancing algorithm.	ncing algorithm. Discuss about any four po	licies (1
			Typillout garnese ball galanda st	1
		T a plant	is with adomes of hours per part but out or or	edit 1
			chrond operacions are the more algolften	
			thread operations are the more algorithms that the private assignment policies a	