Total	l No	of Questions : 4]	SEAT No. :	٦
PA-10204		204 [6010]-77	[Total No. of Pages :	_ 2
		B.E. (Information Technology	ogy) (Insem)	
		DISTRIBUTED SYST	TEMS	
		(2019 Pattern) (Semester - V	VIII) (414450)	
				_
		Hour]	[Max. Marks : 30	)
		ons to the candidates:		
	1) 2)	Answer Q.1 or Q.2, Q.3 or Q4.		
		Figures to the right indicate full marks.  Neat diagrams must be drawn wherever necess	sarv	
	<i>4</i> )	Assume suitable data, if necessary.	sur y.	
	-/			
<i>Q1</i> )	a)	Describe precisely what is meant by a s	scalable system. Scalability car	n
~ /	,	be achieved by applying different technic		5.
	<b>1</b> - \	Explain the concept of Web Comics Illes		_
	b)	Explain the concept of Web Service. Illus diagram that combines other web services		
	c)	What are the two architectural styles sten	nming from the role of individua	1
		processes? Discuss in brief, the		
		Peer-to-Peer architecture.	[5	]
		OOR		
				(
$Q_2)$	a)	Explain what is meant by distribution tra	ansparency and give example o	f
~		different types of transparency.	[5	
	b)	What are fundamental models? Discuss	s in brief, the interaction, failure	٠,
	,	and security aspects in the fundamental	= (1)	

What are the entities that are communicating in the distributed system?

Discuss in brief, how do they communicate using communication paradigm?

[5] c)

What is the concept of middleware? Explain in brief, Message Oriented **Q3**) a) and Content Centric Middleware. [5] Differentiate between RMI and CORBA. b) [5] What is DCE? Discuss in brief, the various components of DCE? c) [5] OR What CORBA means? Explain the purpose of IDL in CORBA with **Q4**) a) suitable example. [5] What is interceptor? Explain how remote-object invocation is handled b) using interceptors. [5] What is adaptive software? Describe the concept of Separation of concerns and computational reflection in relation to adaptive software. [5] 

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