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GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER I (OLD) – • EXAMINATION – SUMMER 2016

•		ode: 710101N Date: 16/05/2016 mme: Service Oriented Architecture	
U	: 2:30	pm to 5:00 pm Total Marks: 70	
	1. A	ttempt all questions. Take suitable assumptions wherever necessary. Egures to the right indicate full marks.	
Q.1	(a) (b)	List SOA benefits. Compare SOA with Enterprise Architecture. Describe SOA Security aspects XML-Encryption and XML-Signature.	07 07
Q.2		What is Orchestration? How it is being implemented in SOA? Describe it in detail with an	07
	(b)	example. Compare: RPC Vs. Web service in SOA.	07
	(b)	OR Why WSDL is used in SOA? Explain WSDL with example.	07
Q.3	(a)	What is Choreography? What is its significance? Describe Choreography implementation in detail.	07
	(b)	Explain: Different Service types, SLA and coarse grain services	07
0.2	(a)	OR Explain Service composition and monitoring in SOA.	07
Q.3	(a) (b)	Explain role of ESB in good SOA.	07
Q.4	(a)	Explain UDDI with example and its role in SOA.	07
ζ	(b)	Existing College management system wants to add and integrate services from the university for university exam fee payment, student exam hall ticket and student exam result using SOA. Draw BOM for new system .Identify different services and suggest how technically one can implement SOA for new college manage system with new added services.	07
		OR	
Q.4	(a)	Role of BPEL in SOA and explain BPEL with example.	07
-	(b)	Existing hotel management system wants to add and integrate services from the car rental company for car pickup and drop, sight seeing and car booking using SOA. Draw BOM for new system. Identify different services and suggest how technically one can implement SOA for new hotel management system with new added services.	07
Q.5	(a) (b)	What are the types of Message Exchange Patterns? Explain them with a suitable example. What is XML,XSD and DTD? Write XML for GTU student mark sheet and display it using CSS. OR	07 07
Q.5	(a)	Discuss SOAP technology with its constituents, styles and type.	07
Q.S	(a) (b)	What is the importance of XML in SOA?Write XML for GTU fee receipt and display it using CSS or XSD.	07
