Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (OLD) - EXAMINATION – SUMMER 2017

Subject Code:181605 Date:04/05/2017

Subject Name: Service Oriented Computing (Department Elective - II)
Time:10:30 AM to 01:00 PM
Total Marks: 70

Instructions:

1. Attempt all questions.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a)	Explain WSDL in detail.	07
	(b)	What is RDF? Explain RDF document in detail.	07
Q.2	(a)	Explain UDDI in detail.	07
	(b)	Explain architectural model for Web service. Also explain Standard Stack.	07
		OR	
	(b)	Explain .NET architecture in detail.	07
Q.3	(a)	Write a short note on : OWL	07
	(b)	Describe SOAP request and response model with an example.	07
		OR	
Q.3	(a)	Compare SOAP, WSDL and UDDI.	07
	(b)	Explain BPEL4WS and ebXML.	07
Q.4	(a)	Discuss Multi agent systems.	07
•	(b)	Compare RPC versus Document orientation.	07
		OR	
Q.4	(a)	Discuss choreography and collaboration in brief.	07
	(b)	Compare RESTful Web Service and SOAP based Web Service.	07
Q.5	(a)	Explain autonomy, heterogeneity & dynamism related to Open Environments.	07
	(b)	Discuss various views to understand the services and compare these views.	07
	()	OR	
Q.5	(a)	What are the basic elements of SOA? How does SOA impose Loose Coupling,	07
•	. /	Granularity and Long life time in realizing the requirements?	

07

(b) Write a short note on Peer to Peer Computing and JINI.