Paper / Subject Code: 82906 / Web Services

			(2 ½ Hours)		[Total Marks: 75]	
N.B.	2) F 3) II	all questions are compulso igures to the right indicat lustrations, in-depth ansv dixing of sub-questions is	e marks. vers and diagr	ams will be ap	ppreciated.	2
Q. 1 (a)		is the endpoint to a) http://localhost:8080 b) http://localhost:8080 c) http://localhost:8080 d) http://localhost:8080	test your serv O/app-name/s O/app-name/s	service-name?' service-name?' service-name?'	Tester WebServiceTester WSDL	(15M) (5M)
	2.	, -	at web method	d has only an	input message and no d) None of these	
	3.	Which of the following services?	is not a valid	# B . A		
	4.	Which of the following to reduce network band a) 200 b	lwidth usage i			
	5.	A WCF service is expose a) Messages b	ed to the world) endpoints			
(b)	(U 1. 2. 3.	I in the blanks se these pool of options - Web services can be disc Servicerefers to The request data which i is referred asis Java API for The messaging layer in a	overed using_ the scope of forms is present in the JSON Processi	 unctionality exe e body part of ng.	sposed by a service. every HTTP message	(5M)
(c)	1. 2. 3.	ve short answers in 1-2 so What is XML? Define Informational/Ty What is a Jersey Client? Define HATEOAS. What is .NET Framewor	pe I service?	e?		(5M)

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Q. 2	Attempt the following (Any THREE)(Each of 5Marks)	(15M)			
(a)	What is SOAP? Explain in detail.				
(b)	Write a short note on fault element in SOAP.				
(c)	Describe the structure of WSDL document.	2000			
(d)	Explain the Client Service Model with respect to Web Service.				
(e)	Describe in brief any one of the SOAP communication models.				
(f)	Write a web service method that accepts two numbers as parameters and	7. 6. 0			
	returns the value of addition of those numbers using JAX-WS. (Write only the				
	Webservice method block)				
Q. 3	Attempt the following (Any THREE) (Each of 5Marks)	(15M)			
(a)	Write a short note on Swagger with respect to JAX-RS.	37000			
(b)	List and explain any five JAVA frameworks for building RESTful web services.	9,90			
(c)	Describe the characteristics required for Good Resource Representation.	3/2			
(d)	Explain HTTP and its working with a neat diagram.				
(e)	Write a note on HTTP basic authentication.				
(f)	Describe the Media Type Annotation in JAX-RS APIs.				
Q. 4	Attempt the following (Any THREE) (Each of 5Marks)	(15M)			
(a)	Write down the steps to create a Windows Communication Foundation Client.				
(b)	Explain different environment of hosting web services.				
(c)	Explain the Features of WCF in detail.				
(d)	Write a note on Quality of Service (QoS) for Webservices.				
(e)	What do you mean by Service Contract? Explain in detail.				
(f)	What do you mean by Operation Contract? Explain in detail.				
Q. 5	Attempt the following (Any THREE) (Each of 5Marks)	(15M)			
(a)	Write a short note on Web Service Development Lifecycle.				
(b)	List and explain the core constraint of RESTful system.				
(c)	What is Windows Communications Foundation?				
(d)	Describe the characteristics of Inter-process communication.				
(e)	How does data exchange happens using JSON in JAX-RS? Explain.				
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