## POKHARA UNIVERSITY

Pı	evel: Bachelor Semester: Spring rogramme: BE	Year: 2018 Full Marks: 100	
C	ourse: Enterprises Application Development	Pass Marks: 45 Time : 3hrs.	
	Candidates are required to give their answers in to as practicable.	heir own words as far	
7	The figures in the margin indicate full marks.	and wife.	
A	Attempt all the questions.		
)	Convert following XML code to JSON code.		8
	xml version="1.0"?		
	<rowset></rowset>		
	<row></row>		
	<id>1</id>		
	<name>Johnson, Smith, and Jones Co.</name>		
	<amount>345.33</amount>		
	<remark>Pays on time</remark>		
	<row></row>		
	<id>2</id>		
	<name>Sam "Mad Dog" Smith<td>ame&gt;</td><td></td></name>	ame>	
	<remark></remark>		
)	What is Java Bean? What are the technologie	s provided by the Java	7
	Enterprise edition? Explain.		
a)	Explain various types of VCS? Explain any of	one testing frameworks	7
	for java.		
b)	Differentiate between verification and valid	dation. What are the	8
	advantages and disadvantages of Black Box, W	hite Box and Grey Box	
	Testing methods?		
a)	Explain Spring IOC container. What is the diff patterns and frameworks?	ference between design	7
b)	What is lazy initialization? Design and	implement a database	8

		connection class as singleton.	
	a)	What is MVC Pattern? Demon unde MVC architecture with the help	7
	,	of Servlet, JSP, POJO classes DBC.	
	b)	What is Presentation Layer and what are its components? What	8
		approach you follow to develop Presentation layer architecture? Also	
		discuss about its design considerations.	
	a)	Compare SOAP and REST web services. Also compare SOA and	8
		Web services?	
	b)	What is cross-site scripting? What are the do's and dont's of client	7
	,	authentication?	
	a)	Define Test Driven approach of development? What does TDD gives	7
	,	us we can't get by building tests after the fact?	
	b)	What are the differences and similarities between Agile and Scrum? Is	8
	,	there any drawback of the Agile model? If yes, explain.	
7.	Wr	ite short notes on: (Any two)	2×5
	a)	Convention vs Configuration	
	b)	Continuous integration	
	c)	SQL injection	
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