

<b>Name:</b>	<b>Printed Pages: 1</b>
<b>Student University Roll No.:</b>	
School of Engineering First Sessional Examination, Odd Semester (AS: 2024-25) B. Tech: Year: 3rd Semester: fifth	
<b>Course Title: Web Services</b>	<b>M.M.: 30</b>
<b>Course Code: ITBC3503</b>	<b>Time: 1 hr</b>

**Instructions if any: Read the question Carefully.**

<b>SECTION 'A'</b>		
<b>Q.N.1. Attempt all parts of the following:</b>		
a) Define Web Services.	Course Objective	Mark s
b) What is the basic structure of Json?	CO1	1
c) Explain Jax-rs.	CO1	1
d) What is Java Api?	CO2	1
e) What is the basic structure of XML?	CO2	1
<b>SECTION 'B'</b>		
<b>Q.N.2. Attempt any two parts of the following:</b>		
a) Explain Pagination.	Course Objective	Mark s
b) Explain UDDI and WSDL.	CO2	7.5
c) Define Method Idempotent.	CO1	7.5
	CO2	7.5
<b>SECTION 'C'</b>		
<b>Q.N.3. Attempt any one part of the following</b>		
a) Discuss about the different Data types and structure with XML schema.	Course Objective	Mark s
b) Explain the Difference between Resource Uri and collection Uri.	CO1	10
c) Explain the process to create Resources.	CO2	10

**Table 1: Mapping between COs and questions**  
(Number of COs may vary from course to course)

COs	Questions Numbers	Total Marks
CO1	1(a), 1(b), 1(c), 2(b), 3(a)	20.5
CO2	1(d), 1(e), 2(a), 2(c), 3(b), 3(c)	37