No. of Printed Pages : 2

ITBC3503

(Following Paper ID and Roll No. to be filled in your Answer Book)

Paper ID : 34006 Roll No. 1 2 2 0 4 [redacted]

B.Tech Examination 2024-25
(Odd Semester)
WEB SERVICES

TIME: 3 Hr. **Total Marks :60**

Note: Attempt all the questions.

Section - A

Q1. Attempt all questions. **8 x 1 = 8**

a) What is the purpose of the @Param annotation in JAX-RS?.
b) How does JAX-RS handle HTTP status codes when sending responses?
c) Explain Jax-rs?
d) What is the Contract-First approach for creating SOAP web services?
e) What is the function of WSDL in SOAP web services?
f) Define Web Services.?
g) What is the basic structure of Json?
h) What is the basic structure of XML?

Section – B

Q2. Attempt any two questions: **2x6 = 12**

a) Explain how to define the XML structure for a SOAP request and response in a Spring Boot web service application.
b) Describe content negotiation in HTTP.
c) Describe the difference between transport-level security and application-level security in web services, and explain their importance.

d) What is the future of SOAP, WSDL and UDDI

Section -C

Q3. Attempt any two questions: **5x2 = 10**

a) Explain request and response XML structures with XSDs:
b) What is the future of web development, especially in terms of web services
c) Demonstrate how to create a JAX-RS client in Java and send both GET and POST requests to a RESTful web service

Q4. Attempt any two questions: **5x2 = 10**

a) Explain Pagination..
b) Explain UDDI and WSDL.
c) Define Method Idempotent.

Q5. Attempt any two questions: **5x2=10**

a) What is the Difference between 'SOAP' and REST.
b) Discuss about the different Data types and structure with XML schema.
c) Explain the Difference between Resource Uri and collection URI.

Q6. Attempt any two questions: **5x2=10**

a) Explain the process to create Resources.
b) What is WSDL and why it is important in web services.
c) What are secure web services and whyis security important in SOAP web services?

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