

Code No: 128FD

R15

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, July - 2019

WEB SERVICES
(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

- 1.a) What are the goals of SOA? [2]
- b) List out the technical benefits of SOA. [3]
- c) What are the main uses of header in a SOAP message? [2]
- d) Give an example of Structure type in SOAP encoding styles. [3]
- e) What is the role of WSDL? [2]
- f) Discuss about Web Service Life Cycle. [3]
- g) What is the use of UDDI data structure <businessEntity>? [2]
- h) Differentiate between public and private UDDI registries. [3]
- i) What is the purpose of SOAP Proxies? [2]
- j) What are the challenges in creating Web Services Interoperability? [3]

PART - B

(50 Marks)

- 2.a) Explain about operational Model of Web Services.
- b) Briefly discuss about Core Distributed Computing Technologies. [5+5]

OR

- 3.a) What is a web service? Define and explain the operational model of web services.
- b) Explain the web service architecture and its characteristics. [5+5]

4. What are the main components of SOAP message? Explain each of them using examples. [10]

OR

- 5.a) Explain the SOAP encoding.
- b) Give a short note on Java and Axis. [5+5]

6. List out various WSDL tools and discuss each of their functionalities. [10]

OR

7. Briefly discuss about different components of a WSDL document, using examples. [10]

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8. List and explain various APIs used for communicating with a UDDI registry. [10]

OR

9. Give briefly the programming steps for:
a) Publishing and b) Searching in UDDI. [5+5] AG AG AG A

10. What are different means of ensuring Interoperability? Briefly discuss each of them. [10]

OR

11. Explain in detail various components of Microsoft .Net Framework. [10]

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