

AG AG AG AG AG AG AG A

R15

Code No: 128FD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

AG AG AG AG AG AG AG A

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.

AG AG AG AG AG AG AG A

PART - A

(25 Marks)

- 1.a) What is RMI? [2]
- b) What are the benefits of using web services? [3]
- c) What is the use of SOAP fault? [2]
- d) What are the limitations of SOAP? [3]
- e) What is WSDL binding? [2]
- f) What is the purpose of the WSDL language in the web services standard? [3]
- g) What is UDDI? [2]
- h) What are the limitations of UDDI? [3]
- i) What are the goals of Cryptography? [2]
- j) Explain the features of .NET? [3]

AG AG AG AG AG AG AG A

PART - B

(50 Marks)

- 2.a) Explain the evolution of distributed computing.
- b) Discuss the role of J2EE and XML in distributed computing. [5+5]

OR

- 3.a) What are web services? What are the major technical reasons for choosing web services over web applications?

- b) What are the key benefits and challenges associated with web services? [5+5]

- 4. Discuss the architecture and the importance of SOAP. [10]

OR

- 5.a) Discuss about SOAP communication and messaging.
- b) Explain how a structure and an integer with a range check are encoded in SOAP? [5+5]

- 6.a) What information does WSDL definition contain about the web service?
- b) Explain the anatomy of a WSDL definition document. [5+5]

OR

- 7.a) Describe the steps of the Web Service life cycle with a neat diagram.
- b) Give a short note on WSDL tools. [5+5]

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

8. Explain the primary UDDI data structures.

[10]

AG AG AG AG **OR** AG AG AG A

9.a) Describe the usage of UDDI in error recovery.

b) Explain the publishing of information to a UDDI registry.

[5+5]

10.a) Explain the challenges in Web Services Interoperability.

b) Explain the creation of .NET client for an Axis web service.

[5+5]

OR

AG 11. In detail, explain XML security frame work. AG AG AG AG A

[10]

---ooOoo---

(

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

(AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A