

Code No: 5158M

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech II Semester Examinations, October - 2015

WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 60

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

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit.

Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

5 × 4 marks = 20

- 1.a) Explain briefly the emergence of web services. [4]
- b) Explain what you understand by Architecture of a web service. [4]
- c) What is the contribution / importance of XML in web services? [4]
- d) What is the role of service registries? [4]
- e) Discuss the relationship between Web services and SOA. [4]

PART - B

5 × 8 marks = 40

2. Explain in detail any TWO distributed computing technologies. [8]
- OR
3. Explain in detail operational model of a web service with examples. [8]
4. Discuss Standards and Technologies used for implementation of web services. [8]
- OR
5. Give a good account of WSDL. [8]
6. Explain SOAP as a messaging protocol and the structure of SOAP message. [8]
- OR
7. Give a good account of SOA development Life cycle. [8]
8. Explain UDDI Implementation and its specifications. [8]
- OR
9. Explain UDDI Architecture and its Data Model. [8]
10. Give an overview of .NET and J2EE. [8]
- OR
11. Give an overview of Standard distributed management frameworks. [8]