JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, July - 2014
WEB SERVICES
(Common to CSE, IT)

Time: 3 Hours   Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks
- - -

1. List and explain the core distributed computing technologies.

2.a) What are web services? Give its operational model and discuss about SOAP, WSDL, and UDDI.
   b) Discuss the benefits and challenges of using Web Services.

3.a) Explain the process of building web services using a J2EE environment.
   b) Explain about the web services communication models.

4.a) Discuss about the security provided in SOAP messages.
   b) What is SOAP encoding? How it supports both simple and compound-type values?

5.a) Describe the Axis-based Web Services infrastructure for building Web Services.
   b) Discuss about the design and development process of creating a Web Services enabled applications.

6.a) Explain the structural elements of a WSDL definition document.
   b) What is WSDL? What are the operations supported by WSDL? How SOAP binding is supported by WSDL?

7.a) What is a UDDI registry? What are its operational modes? What are its uses?
   b) Discuss about the primary UDDI data structures.

8.a) Discuss the different ways to ensure interoperability.
   b) What is XKMS? Describe its components.

--ooOoo--