

**R09**

Code No: 58035

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech IV Year II Semester Examinations, May - 2015**

**WEB SERVICES**  
**(Common to CSE, IT)**

**Time: 3 Hours**

**Max. Marks: 75**

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

---

1. Explain in brief the various core distributed computing technologies. [15]
- 2.a) What are the basic characteristics of a Web services application model?  
b) List the key benefits of implementing Web services? List the key challenges in Web services? [7+8]
- 3.a) Explain the basic steps of implementing web services.  
b) Describe the Web services communication models. [7+8]
- 4.a) Discuss in detail the structure of SOAP message.  
b) Describe the SOAP message exchange model. [8+7]
- 5.a) Discuss about Axis Engine.  
b) Describe the Axis TCP Monitor? List the limitations of SOAP protocol. [7+8]
6. Discuss in detail the Anatomy of a WSDL Definition Document along with the code for WeatherInfo.wsdl. [15]
- 7.a) Differentiate between public and private UDDI registries? List the uses of UDDI registries.  
b) List the programming steps for publishing information to UDDI registry and searching information in UDDI registry. [7+8]
- 8.a) Give the overview of J2EE.  
b) Discuss about XML digital signature. [7+8]

---ooOoo---