

**Code No: D5805, D4002**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**M.Tech II - Semester Examinations, March/April 2011**

**WEB SERVICES**

**(COMMON TO COMPUTER SCIENCE & ENGINEERING, INFORMATION TECHNOLOGY)**

**Time: 3hours**

**Max. Marks: 60**

**Answer any five questions  
All questions carry equal marks**

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1. a) Define Distributed Computing and explain its evolution.  
b) Explain the role of J2EE and XML in distributed computing. [12]
2. Describe the following:  
a) CORBA                      b) RMI                      c) DCOM                      d) MOM. [12]
3. a) Explain the benefits and challenges of using Web Services.  
b) Write short notes on web services communication. [6+6]
4. a) How can you develop SOAP web services using Java? Explain it?  
b) Write short notes on SOAP message exchange Models. [6+6]
5. Describe the WSDL Structure and its life cycle in detail? [12]
6. a) What are the uses of UDDI Registry?  
b) How can you ensure interoperability in Web Services? [6+6]
7. a) Explain XML security framework.  
b) Write the guidelines for signing XML documents. [6+6]
8. Define the following:  
a) Asynchronous RPC.  
b) Replications.  
c) Processor Consistency. [4+4+4]

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