

## **BE Semester - VIII - IT Question Bank**

### **(Service Oriented Computing)**

**All questions carry equal marks (10 marks)**

Q.1	Give importance of WSDL? Also discuss the various element of WSDL document.
Q.2	Explain Web Services Architectures and Standards in detail.
Q.3	Define XML. Show and explain various XML element types and XML attribute types.
Q.4	Explain J2EE and Microsoft .NET architecture. Discuss the role of both in service oriented architecture.
Q.5	Explain UDDI Component in detail.
Q.6	What is BPEL and How BPEL is used to model Business process.
Q.7	Explain RDF, RDFS, and OWL in detail.
Q.8	Explain Conceptual modeling and ontology.
Q.9	Explain SOAP Protocol in detail.
Q.10	What is Collaboration? Explain Agents, Multiagent systems, Agent communication.
Q.11	Explain Grid computing in detail.
Q.12	Explain Transaction. Discuss ACID properties of Transaction. Also explain Distributed transaction.
Q.13	Compare Intra-enterprise and Inter-enterprise Interoperation.
Q.14	Explain RPC versus Document.
Q.15	Write a short note on Quality of service.
Q.16	Explain Directory service in detail.
Q.17	What is Web service? Explain various types of web services.
Q.18	State and Explain the common principles of Service-Oriented Computing.
Q.19	How Service Oriented Architecture is achieved in .NET Platform? Discuss.

Q.20	Explain SOA platform and describe the APIs in J2EE which is used to build SOA.
Q.21	Discuss WS-Security Language in detail.
Q.22	Describe Root element and Series of Common child element of WS-BPEL process definition.
Q.23	Write a note on Atomic Transactions.
Q.24	Compare J2EE architecture and .NET architecture.
Q.25	What is RDF? Explain RDF document in detail.
Q.26	Write a short note: Peer-to-Peer Computing.
Q.27	Write short note on following: 1. Model Driven Architecture 2. ebXML
Q.28	What is ontology? Explain OWL constructor and Axioms with suitable example.
Q.29	List importance of BPEL4WS.
Q.30	List the fundament services and protocols in Jini. What are the differences between Jini's <i>discovery</i> , <i>join</i> and <i>lookup</i> ?
Q.31	What is agent? Explain agent description in detail.
Q.32	Write a short note: RDF Schema.
Q.33	Explain architecture for composed services with a suitable example.
Q.34	Discuss Multi agent systems w.r.to Agent communication, languages and protocols.
Q.35	Explain Rules for Collaboration.
Q.36	Write a note on Model Driven Architecture.
Q.37	Write a note on Service life cycle.
Q.38	Discuss limitation of SOAP, WSDL and UDDI.
Q.39	Define and explain following with respect to SOC 1. SOA 2. Loose coupling 3. workflow 4. Granularity
Q.40	Draw and explain .NET architecture.