

Kadi Sarva Vishwavidyalaya

M.E. Semester – I

Subject: Service Oriented Architecture

Date: 23/01/2013

Max.Marks:70

Time: 3 Hrs

Instruction: (1) Answer each section in separate Answer sheet

(2) Use of Scientific calculator is permitted

(3) Attempt all questions

(4) Figure to the right indicates full marks

Section – I

Q.1 Each carries equal marks [15]

- [A] What do you understand by Web Service? Explain in detail.
- [B] Draw and Explain J2EE architecture for building enterprise solution.
- [C] Explain Model-Driven Architecture.

OR

- [C] What do you understand by enterprise integration? Give difference between integration and interoperation.

Q.2 [10]

- [A] Describe the skeleton of a SOAP message.
- [B] Explain the HTTP communication done in a standard SOAP message.

OR

Q.2 [10]

- [A] Write down the format of Request-Response operation in WSDL.
- [B] Develop a WSDL document describing a simple calculator.

Q.3 [10]

- [A] Explain the communication that occurs between a WSDL document and a UDDI document while registering a Web Service.
- [B] Discuss SOA vs. distributed internet architecture.

OR

Q.3 [10]

- [A] Describe: Technical Model and Business entity with respect to Web Services.
- [B] Explain difference between Service-orientation and Object-orientation.

Section – II

Q.4 **Each carries equal marks** [15]

- [A] Explain MEP and WSDL.
- [B] Explain Service Lifecycle.
- [C] Discuss Coordination concept in SOA.

OR

- [C] Discuss Service activity.

Q.5 [10]

- [A] Differentiate: RPC and Document centric views of Web Services.
- [B] Explain Orchestration.

OR

Q.5 [10]

- [A] How do you find a registered Web Service?
- [B] Explain Choreography and SOA.

Q.6 [10]

- [A] How do you model Business Processes using BPEL?
- [B] Describe the elements of BPEL.

OR

Q.6 [10]

- [A] Explain Service Termination.
- [B] Explain Goals and Challenges of Service Composition.