

APJ Abdul Kalam Technological University

Ernakulam II Cluster

Third Semester M.Tech Degree Examination December 2017

Time: 3 hrs

05CS7051- WEB SERVICES

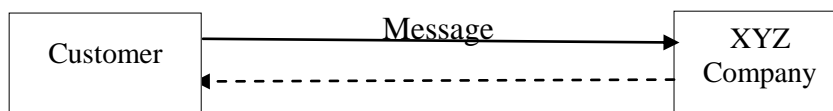
Max. Marks: 60

1.

- a) A Travel reservation service provider exposes its business applications as Web services supporting a variety of customers and application clients. The business applications are provided by different travel organizations residing at different networks and geographical locations. Give a sample scenario. (5 Marks)
- b) “The web services model follows the publish, find, and bind paradigm.” Discuss the matter in detail and how to implement it in real service models. (7 Marks)

2.

- a) How is the communication possible in the following scenario? Explain the anatomy of the communication protocol in detail? (8 Marks)



- b) Explain the call based synchronous communication model and document driven communication model in SOAP? (4 Marks)

3.

- a) Write a short note of four types of operations supported by WSDL? (4 Marks)
- b) Explain the web service life cycle with a neat diagram? (4 Marks)
- c) A client follows a link published in the web service registry and get information represents the interface and semantics of how to invoke or call a web. Explain the anatomy of the description language that the client read? (4 Marks)

OR

4.

- a) The information managed by a UDDI registry is represented as data structures. Write a short note on the five primary UDDI data structures? (10 Marks)
- b) The inquiry API helps to retrieve information from the UDDI registry. Explain the functions which provide the above functionality? (8 Marks)

5.

- a) Write the basic programming steps of using JAXM? (8 Marks)
- b) Differentiate JAXM provider-based communication scenario and without provider. (10 Marks)

OR

6.

- a) A developer his java code to an XML format. How can he achieve this, explain? (8 Marks)
- b) Briefly explain the architecture of JAXM? (10 Marks)