



5. The \_\_\_\_\_ elements draws together the port type and operation elements into a form suitable for exposing to the network.
- a) Binding
  - b) Services
  - c) Types
  - d) Both (b) & (c)

**Fill in the blanks:**

6. \_\_\_\_\_ is an XML based mechanism for exchanging information between applications within a distributed environment.
7. Xml. Schema provides a total of \_\_\_\_\_ simple types with which to build content models.
8. Expand REST \_\_\_\_\_.
9. The \_\_\_\_\_ entity type represents information about services providers within UDDI.
10. Expand WSCL \_\_\_\_\_.

**State True or False:**

11. Web services expose their capabilities to client applications, not their implementations.
12. XML schema are best used to describe type systems first and document layout second.
13. SOAP is the protocol via which web service communicate.
14. Using client side API package such as UDDI4J facilitate developing programs that access UDDI registry.
15. WSCL is not one of the leading candidate for a standard single-party conversation language in the web services arena today.

**Match the following:**

16. PC browser - a) Web application client
17. XML - b) Semi-private
18. Envelope - c) Platform independent

19. Enterprise UDDI - d) Root Element  
20. Choreography - e) WSCL

### **SECTION – B**

**Answer all the questions:**

**5 x 4= 20**

21. a. What are Web Services? Describe it.

**OR**

b. Write short notes on Web Services and enterprises.

22. a. Write down the advantages of XML documents.

**OR**

b. Discuss the following: i) Substitution Groups  
ii) Managing Schemes.

23. a. Write a short note on SOAP encoding.

**OR**

b. Discuss about Web Services and the REST architecture.

24. a. Discuss the various UDDI core data structures in detail.

**OR**

b. Write a short note on accessing UDDI.

25. a. Give an account on WSDL structure.

**OR**

b. How do you develop web services using SOAP and WSDL.

### **SECTION – C**

**Answer any FOUR questions:**

**4 x 15 = 60**

26. Why web services are so important? Discuss it.

27. Write a brief note on XML schema and namespaces.
28. Explain in detail the SOAP message format.
29. Describe about UDDI and lifecycle management.
30. Explain in detail about WSCL.

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