

Atmiya University-Rajkot

B.C.A & B.S.C(IT).

Semester: - 5th

“Theory Assignment: Unit-1”

Subject: (23UGCA504) - Web Services and Web APIs.

Answer the Following Questions :(Each Question 1 Mark).

1. Web Service is a standardized way of integrating web-based applications using _____.
2. _____ is a protocol used for accessing web services.
3. REST stands for _____.
4. SOAP stands for _____.
5. Web services use _____ to communicate between client and server over the network.
6. In Web Service Architecture, _____ describes the service interface.
7. UDDI stands for _____.
8. One key characteristic of web services is _____, meaning services can work across platforms and languages.
9. Web services are _____ coupled, which means changes in one service do not affect others.
10. Two main types of web services are _____ and _____.

Answer the Following Questions in Detail :(Each Question 3 Mark)

1. What is a Web Service? Explain with a suitable example.
2. Explain the types of Web Services and differentiate between SOAP and REST.
3. List and explain any three advantages of using Web Services.
4. Describe Web Service Architecture with a labeled diagram.
5. What are the key characteristics of Web Services? Explain any three.

Answer the Following Questions :(Each Question 5 Mark).

1. What is a Web Service? Explain its components and working with a real-life example.
2. Differentiate between SOAP and REST web services with at least five key points.
3. Explain the complete Web Service Architecture. Describe the role of WSDL, UDDI, and SOAP.
4. Discuss in detail the advantages of Web Services. How do they support interoperability and reusability?
5. Explain any five key characteristics of Web Services and describe how they make services platform-independent.