

SEMATIC WEB

IMPORTANT QUESTIONS

UNIT-1

SHORT QUESTIONS:

- 1.What is the primary focus of the Semantic Web?
- 2.Explain the key components of XML and its relevance to the enterprise?
- 3.Why is there a business case for implementing the Semantic Web?
- 4.What is data discovery and retrieval processes?

LONG QUESTIONS:

1. What is the Semantic Web, and how it differs from the traditional World Wide Web?
2. Discuss the role of XML in shaping the development of the Semantic Web and its impact on information exchange within the enterprise?
3. Explore the business case for implementing the Semantic Web, highlighting its potential benefits for enterprises?
4. Discuss real-world examples of successful implementations of the Semantic Web in businesses and the positive outcomes achieved?
5. .Evaluate the potential impact of the Semantic Web on data integration?

UNIT-2

SHORT QUESTIONS:

1. What is UDDI (Universal Description, Discovery, and Integration)?
2. Define web services, and why is it essential in distributed systems?
3. Explain the concept of the Semantic Web in the context of web services?
4. Write the challenges and benefits associated with the adoption of semantic web technologies in web services?

LONG QUESTIONS:

1. Explain the fundamental uses of web services and how they facilitate communication between different software applications?
2. Explain briefly about SOAP (Simple Object Access Protocol) and its role in web services communication?
3. Describe the significance of UDDI (Universal Description, Discovery, and Integration) in the context of web services. How does it contribute to service discovery?

4. What is the concept of Grid-enabled web services? Explain how grid computing principles are integrated into the world of web services?
5. Discuss the evolving trends and future prospects of web services?

UNIT-3

SHORT QUESTIONS:

1. How the RDF facilitate the capturing of knowledge?
2. Define XSL, XSLT, and XSL FO?

LONG QUESTIONS:

1. Explain the key features of the Resource Description Framework (RDF) and how it facilitates the representation of knowledge?
2. Explore the XML technology of XPath. How does XPath work, and how is it utilized for navigating XML document?