

BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)
B.Tech.Sem - VII COMPUTER SCIENCE & ENGINEERING : WINTER : 2023
SUBJECT : SEMANTIC WEB

Day : Thursday
Date : 7/12/2023

W-24346-2023

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
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| Q.1 | What is a Web Technology? Explain in detail Semantic Web. | (10) |
| | OR | |
| Q.1 | Discuss on Static Web, Dynamic Web and Semantic Web in detail. | (10) |
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| Q.2 | Draw and explain about the World Wide Web in detail. | |
| | OR | |
| Q.2 | What is Web Search agents? Explain in detail with any example. | (10) |
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| Q.3 | Describe in detail Structure Web, Namespaces and Xml Language. | (10) |
| | OR | |
| Q.3 | Explain Addressing and Querying XML in detail. | (10) |
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| Q.4 | What is a Ontology Technology? Explain in detail ontology "Spot" Example. | (10) |
| | OR | |
| Q.4 | What is OWL and RDF? Explain with example Compatibility of OWL and RDF in detail. | (10) |
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| Q.5 | What is SPARQL? Explain in detail SPARQL with any one example. | (10) |
| | OR | |
| Q.5 | What is a Simple Graph Patterns? Explain complex graph patterns in detail. | (10) |
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| Q.6 | What is Web of Data? Draw and Explain Principles of Linked data. | (10) |
| | OR | |
| Q.6 | What is LOD Cloud Web? Explain with example in detail LOD Cloud web. | (10) |

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