

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VIII EXAMINATION – WINTER 2016

Subject Code: 181605**Date: 22/10/2016****Subject Name: Service Oriented Computing (Department Elective - II)****Time: 02:30 PM to 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|------------|------------|--|-----------|
| Q.1 | (a) | Explain Correspondences between a WSDL document and a UDDI registration document. | 07 |
| | (b) | Explain J2EE Architecture with suitable diagram. | 07 |
| Q.2 | (a) | Discuss challenges for composition in detail. | 07 |
| | (b) | Explain two phase commit method to ensure atomicity over distributed transactions. | 07 |
| | | OR | |
| | (b) | Explain Contract Net Protocol in detail. | 07 |
| Q.3 | (a) | Explain OWL-S in detail with suitable diagram | 07 |
| | (b) | Explain elements of service oriented architecture. | 07 |
| | | OR | |
| Q.3 | (a) | Write a short note on RDF | 07 |
| | (b) | Explain .NET Framework with suitable diagram | 07 |
| Q.4 | (a) | Write a short note on SOAP. | 07 |
| | (b) | Explain Business Process Languages in detail. | 07 |
| | | OR | |
| Q.4 | (a) | Short note on Business Transaction protocol. | 07 |
| | (b) | Explain RPC Versus Document Orientation in detail. | 07 |
| Q.5 | (a) | Write short note on WSCL. | 07 |
| | (b) | Discuss Life Cycle Management for Agents and Multi - agent Systems. | 07 |
| | | OR | |
| Q.5 | (a) | Discuss CORBA in detail | 07 |
| | (b) | Differentiate integration versus interoperation. | 07 |
