

TIT-604

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Even Semester Examination - 2017

B.TECH. (VI SEMESTER)

SERVICE ORIENTED COMPUTING

Time: 02:00 Hours

Max Marks : 50

Note: Attempt **all** questions, each question carry **equal** marks.

- Q1. Attempt any four parts of the following: (4X2.5=10)
- (a) Explain the term Service oriented computing?
 - (b) Define computing services in brief?
 - (c) Explain basic standard for web services?
 - (d) Describe principles of service oriented computing?
 - (e) What do you mean by modeling in service oriented computing?
 - (f) Explain merits of Service oriented computing?
- Q2. Attempt any four parts of the following: (4X2.5=10)
- (a) Define Modeling with respect to enable interoperation?

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- (b) Explain difference between interoperation and integration?
- (c) Define common ontologies in modeling and representation?
- (d) What do you mean by knowledge representation?
- (e) Describe all modeling fundamental?
- (f) Explain elementary algebra with suitable example?

Q3. Attempt any two parts of the following: (5X2=10)

- (a) Explain CORBA with suitable example?
- (b) Describe peer to peer computing in details?
- (c) What do you mean by coordination framework for web services? Also explain WSCL, WSCI?

Q4. Attempt any two parts of the following: (5X2=10)

- (a) Create a process model for service oriented computing?
- (b) Explain the design of agent based system with suitable example?

- (c) Describe the term exception handling and e-business application?

Q5. Attempt any two parts of the following: (5X2=10)

- (a) Explain network architecture of service oriented computing?
- (b) Describe key challenges and recommendations in service oriented computing?
- (c) Write a short notes on:
1. Business transaction protocol
 2. RDF basics
