

TIT-604

240

Printed Pages : 2

Paper ID & Roll No. to be filled in your Answer Book

Roll No.

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B.Tech. (IT) (VI Semester)

End Semester Examination 2015

SERVICE ORIENTED COMPUTING

*Time: 2.00 Hours]**[Total Marks: 50*

1. Attempt any four questions: (3×4=12)
 - a) Write short note on exception handling in SOC application.
 - b) Explain the concept of service oriented computing. What are the principals of service oriented computing?
 - c) What are steps involved before we can use a web service?
 - d) Explain following terms in brief:
 - (i) SOAP
 - (ii) UDDI
 - e) Explain the challenges in web services composition.
 - f) What is WSCL? Discuss element of a WSCL specification.

2. Attempt any four questions: (3×4=12)
 - a) Discuss the security challenges in the semantic web.
 - b) Write short notes on Integration Vs Interoperation.
 - c) Explain the role of BTP in service oriented computing.

- d) What is CORBA? Explain primary components of CORBA.
 - e) What is RDF? Discuss RDF vocabulary in brief.
 - f) What is meant by ontology? How is it useful in SOC?
3. Attempt any two questions: (6.5×2=13)
- a) Explain the six key design principals of SOC design.
 - b) (i) Explain business transaction protocol in details.
(ii) Write short notes on N-Triples notation.
 - c) Explain suitable example.
 - (i) Peer to peer computing
 - (ii) Grid Computing
4. Attempt any two questions. (6.5×2=13)
- a) Consider the main kinds of message exchange patterns in SOAP: Request-response and one way. How will you implement one-way messages over HTTP, which is a request-response protocol?
 - b) Define Ethics. Distinguish between the concept of right and good.
 - c) Explain the following:
 - i) XML Syntax with example
 - ii) e-Business application
 - iii) Modeling fundamentals

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