Printed Pages: 3

NCS - 076

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2012274

Roll No.

B.TECH.

Regular Theory Examinatio (Odd Sem-VII) 2016-17

SERVICE ORIENTED ARCHITECTURE

Time : 3 Hours *Max. Marks : 100*

Section - A

1. Answer all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)

a) What is Web Service?

b) List out some common principles of service orientation.

c) Define Envelop element in SOAP message.

d) Write down the types of components that can be used to build J2EE web applications?

e) Define Generated stub.

f) What are the conditions under which the web service takes the role of a service requestor?

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g) What is the use of web service description language?

h) How are switch, case and otherwise elements used in BPEL?

i) What are policy element and common policy assertions?

j) What are dynamic proxy and dynamic invocation interface.

Section - B

Note: Attempt any five questions from this section (5×10=50)

2. Compare between: SOA and Client Server Architecture and Distributed Internet Architecture.

3. Describe about the JAXB architecture in detail.

4. Discuss in detail about web services interoperability Technologies (WSIT)

5. What is CLR? Illustrate the importance of JAXR and JAX-RPC for SOA platform.

6. Explain entity centric and task centric business service design in detail.

7. How is Service Oriented Architecture achieved in NET platform? Discuss.

Section - C

Note: Attempt any two questions from this section. (2×15=30)

8. Explain briefly about Technical Requirements for Orchestration and Choreography.

OR

What are the features of Contemporary SOA? Also state common pitfall of SOA. Explain different messaging patterns used in SOA with relation of SOAP.

9. Explain SOA platform and describe the APIs in J2EE which is used to build SOA.

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