

CBCS Scheme

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16SCS254

Second Semester M.Tech. Degree Examination, June/July 2017 Web Services

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain dynamic binding in RPC, with diagram. (10 Marks)
b. Explain the benefits of queuing. (06 Marks)

OR

- 2 a. Explain the working of CORBA, with diagram. (10 Marks)
b. List out and explain functionality of TP monitor. (06 Marks)

Module-2

- 3 a. Illustrate the two facets of WS architecture. (12 Marks)
b. Draw and mention the layers of service description of discovery stack. (04 Marks)

OR

- 4 a. Illustrate the external architecture of web service. (10 Marks)
b. Explain the different layers of service interaction. (06 Marks)

Module-3

- 5 a. What are the different goals of WSDL? (06 Marks)
b. List and explain different UDDI registry APIs. Show the interaction with and between UDDI registries. (10 Marks)

OR

- 6 a. With a neat diagram, explain the different parts of a WSDL service specification. (10 Marks)
b. Explain the data structures of UDDI. (06 Marks)

Module-4

- 7 a. Explain the two kinds of functionality provided by conversation controllers. (12 Marks)
b. What is Rosetta Net? List the fields on which the Rosetta Net focus. (04 Marks)

OR

- 8 a. Illustrate the sequence of messages for distributed co-ordination. (10 Marks)
b. List the five protocols under atomic transaction co-ordination type and explain any two. (06 Marks)

Module-5

- 9 a. Explain the main elements of web service composition middleware with a neat diagram. (10 Marks)
b. Explain the Petri nets and π -calculus model of orchestration. (06 Marks)

OR

- 10 a. List and explain the six different dimensions of a composition model. (06 Marks)
b. With neat diagram, explain any two formalism of orchestration model. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.