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Total Pages : 3

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May, 2019
B.Tech. (CE/IT) VI SEMESTER
Cloud Computing (CE-308-C)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.

2. Answer any four questions from Part-B in detail.

3. Different sub-parts of a question are to be attempted adjacent to each other.

PART–A

1. (a) What is Grid Computing? (1.5)

   (b) Define 'Standardization' in cloud. (1.5)

   (c) What are Registries? (1.5)

   (d) Why GFS is used in Google? (1.5)

   (e) What is popularity driven resource allocation? (1.5)

   (f) What do you mean by 'Software Virtualization'? (1.5)

(g) What are the ways in which our data can be secured in cloud in case of a disaster? (1.5)

(h) What do you mean by 'Community Cloud'? (1.5)

(i) What is MOCC? (1.5)

(j) Define cloud computing. (1.5)

PART–B

2. (a) What do you mean by Parallel Computing? Explain various architectures of parallel computing in detail. (8)

   (b) Differentiate between Public cloud and Private cloud. (7)

3. (a) Explain different architectural designs of cloud. (8)

   (b) What is service-oriented architecture? Explain different types of SOA in detail. (7)

4. What are the various threats to cloud security? Explain various ways to secure cloud. (15)

5. (a) Explain cloud platform AWS (Amazon Web Service) in detail along with its component. (7)

   (b) What is data center? Mention different types of data center along with its working. (8)

6. (a) Explain the working of intercloud in detail. (8)

(b) Explain Green Cloud Computing in detail. (7)

7. What are the different layers of cloud? Mention the benefits and challenges of cloud computing in detail. (15)

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