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TCS–821/TIT–823

B. Tech. (CS/IT) (Eighth Semester)
End Semester EXAMINATION, 2017
CLOUD COMPUTING

Time : Three Hours] [*Maximum Marks : 100*

Note : (i) This question paper contains *five* questions.

(ii) All questions are compulsory.

(iii) Instructions on how to attempt a question are mentioned against it.

(iv) Total marks assigned to each question are **twenty.**

1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

   (a) What do you mean by Cloud Computing ? What are the advantages and disadvantages of Cloud Computing ?

   (b) Explain the architecture of Cloud Computing. How Cloud Computing overcome the difficulties faced by the traditional architectures ?

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(c) Explain the challenges that are associated with the development of Cloud Systems. Discuss various methods to overcome these challenges.

2. Attempt any *two* questions of choice from (a), (b) and (c).   (2×10=20 Marks)

   (a) Write short notes on the following :

      (i) Google App Engine

      (ii) Cloud Storage

   (b) How does the Cloud Computing help in enhancing the performance and the growth of any organization ? Give the steps that a company should follow to migrate its employee related data on cloud.

   (c) Explain the following :

      (i)   Software as a Service

      (ii) Platform as a Service

      (iii) Infrastructure as a Service

3. Attempt any *two* questions of choice from (a), (b) and (c).   (2×10=20 Marks)

   (a) Explain various Cloud Computing Deployment Models with their advantages and disadvantages.

   (b) Give the use of Cloud Computing for the common people. Give the advantages of Centralizing Email Communications.

   (c) What are the applications of Cloud Computing for the following :

      (i)   Community

      (ii) Group Projects

      (iii) Corporation

4. Attempt any *two* questions of choice from (a), (b) and (c).   (2×10=20 Marks)

   (a) With respect to the Cloud Services. Explain various Online Scheduling Applications and the Online Planning Applications.

   (b) Explain the usage of Cloud Computing for event management and project management with the help of an example.

   (c) Explain various services and tools that can be used for development of Cloud Services.

5. Attempt any *two* questions of choice from (a), (b) and (c).   (2×10=20 Marks)

   (a) Explain the factors and advantages of Cloud Computing in Social Networking and Web Mail Services.

(b) How Cloud Computing is beneficial for development and enhancing the performance of the following :

   (i) Wikis

   (ii) Blogs

(c) What do you mean by Web Based Communication ? Explain all web based communication.