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# TCS-821/TIT-823

**B. TECH. (CS/IT) (EIGHTH SEMESTER)  
END SEMESTER EXAMINATION, 2018**

**CLOUD COMPUTING**

**Time : Three Hours**

**Maximum Marks : 100**

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

(ii) All questions are compulsory.

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

(iv) Each part carries ten marks. 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 ? Explain its various features and advantages.

(b) Explain the various components of cloud architecture. Explain the concept of using

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cloud storage to multiple clients on the basis of virtualization.

- (c) What are the steps that a company needs to follow for migrating its data from traditional servers to cloud based platform? Give the advantages of doing so.

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

- (a) What do you mean by On-Demand Computing in Cloud Environment? Name and explain some tools that are available for various cloud services.

- (b) Explain and give the Architecture of Google App Engine. Explain various services provided by Google App Engine in detail.

- (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) What do you mean by services in a cloud environment? Explain different types of cloud service development.

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- (b) Give the use of Cloud Computing for the community of people. Give the advantages of collaborating contact list with cloud.

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

- (i) Schedules
- (ii) Group Projects
- (iii) Centralizing E-mails

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

- (a) What is the advantage of using databases on Cloud Environment? Give practical implementation of it using some RDBMS.

- (b) In context of Cloud Services, explain :

- (i) Online scheduling applications
- (ii) Collaborating on word processing

- (c) What do you mean by security? Explain various security threats that we need to consider for deploying cloud environment.

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

- (a) Discuss the following :

- (i) Evaluating Web Conference tools
- (ii) Collaborating via Social network



(b) Differentiate between the Public Cloud and Private Cloud. Explain the security threats in both of them.

(c) What are the applications of Cloud Computing ? How is cloud computing different from utility computing and distributed systems ?