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Roll No. ....

# TCS/TIT-605

B. TECH. (CS/IT) (SIXTH SEMESTER)  
MID SEMESTER EXAMINATION, 2018

CLOUD COMPUTING

Time : 1 : 30 Hours

Maximum Marks : 50

Note : (i) This question paper contains two  
Sections.

(ii) Both Sections are compulsory.

## Section—A

1. Fill in the blanks/True-False : (1×5=5 Marks)

(a) Cloud Computing is similar to Application  
Service Provider. (True/False)

(b) \_\_\_\_\_ computing works on the  
principle of dividing the work load among  
multiple servers.

(c) \_\_\_\_\_ feature of mainframe  
computers forms the basis of cloud  
computing.

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- (d) IaaS stands for \_\_\_\_\_.
- (e) Cloud Computing requires specialized hardware to be installed on client side for its proper functioning. (True/False)

2. Attempt any five parts : (3×5=15 Marks)

- (a) Explain the evolution of Cloud Computing since its concept being came into existence.
- (b) "For any organization to survive and enhance its working it is necessary for them to use Cloud Computing." Justify and comment
- (c) Differentiate between Traditional Client Server architecture and Cloud Computing.
- (d) What are the advantages of Cloud Computing ? Explain the challenges that are faced while implementing the cloud infrastructure.
- (e) What do you mean by virtually usage of any resource ? Explain with the help of an example.

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- (f) Write a short note on Distributed Computing.

**Section—B**

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

- (a) What are the various features of Cloud Computing ? Explain.
- (b) What are the different types of Clouds ? Explain each of them with the help of an example.
- (c) Name and explain the various components of Cloud Computing.

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

- (a) What do you mean by virtualization ? What are the different levels where the concept of virtualization can be implemented ?
- (b) What do you mean by Private Cloud ? Give its characteristics.
- (c) Name and explain various Private Cloud Deployment Models.

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

(a) What are various VM migration techniques that are used in Cloud Computing ?

(b) "Cloud Computing provides Broad Network Accessibility." Justify the statement.

(c) Write a short note on Amazon EC2 and IBM Cloud.