TCS–351

B. TECH. (CSE) (THIRD SEMESTER)

MID SEMESTER EXAMINATION, 2022

FUNDAMENTALS OF CLOUD COMPUTING AND BIG DATA

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) "Using resources from Cloud Computing can enhance the capabilities and performance of any organization." Justify this statement by giving examples to support your answer.

(CO1)

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OR

(b) "The architecture of Cloud Computing i different from Client-Server Architecture. Explain the architecture of Clou Computing in detail along wvith the explanation of each component. Give diagram also. (CO1)

2. (a) With respect to Cloud Computing, explain the similarity and difference of Clou Computing with the following concepts :

(CO1)

    (i) Distributed Computing

    (ii) Peer to Peer Computing

    (iii) Application Service Provider (ASP)

OR

(b) Explain the various features characteristics of Cloud Computing. Also specify and explain the advantages o using Cloud Computing.

(CO1)

3. (a) "In Cloud Computing the resources that are available on Cloud Platform can be accessed virtually." Comment on the statement. Give examples to support your answer.　　　　　(CO2)

OR

(b) What are the various cloud deployment models ? Explain each of them in detail. Give advantages and examples of each.

(CO2)

4. (a) With respect to services provided by Cloud Computing, explain the following with examples :　　　　　(CO2)

   (i) IaaS

   (ii) PaaS

   (iii) SaaS

   (iv) DBaaS

OR

(b) "Cloud Computing is a technology that has not developed in few days, but a concept that has taken ages and decades for its proper implementation." Justify the statement and explain the evolution of Cloud Computing in various years. (CO2)

) What do you mean by Cloud Computing ? Explain the various challenges that needs to be overcome during the implementation of Cloud Architecture.   (CO1, CO2)

OR

b) "Security can be advantage, disadvantage or the biggest challenge for Cloud Computing." Comment on the statement by along with the examples for each.

(CO1, CO2)