H Roll No. 2194026

TCS–451

B. TECH. (COMPUTER SCIENCE AND ENGINEERING)

(FOURTH SEMESTER)

MID SEMESTER

EXAMINATION, April, 2023

VIRTUALIZATION AND CLOUD COMPUTING

Time : 1½ Hours

Maximum Marks : 50

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

(ii) Each sub-question carries 10 marks.

1. (a) Explain Cloud Computing with advantages and different types of Cloud environment with suitable figure. (CO1)

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OR

(b) Explain in detail Saas, Paas and Iaas with advantages. (CO1)

2. (a) As per the standard cloud services, discuss according to less control and high control configuration services. (CO1)

OR

(b) Discuss about the Cloud Service Management in detail. (CO1)

3. (a) As per the NIST, explain essential cloud computing characteristics. (CO2)

OR

(b) Explain the cloud computing vision and cloud computing reference model in detail. (CO2)

4. (a) Differentiate between client-server computing, distributed computing and cloud computing in detail. (CO2)

OR

(b) Explain Virtualization in cloud computing and differentiate between Web 1.0, Web 2.0 and Web 3.0. (CO2)

5. (a) Explain software development in cloud computing with example. (CO2)

OR

(b) Differentiate top cloud computing platform and technologies with example.

(CO2)