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VELAGAPUDI RAMAKRISHNA

SIDDHARTHA ENGINEERING COLLEGE

(AUTONOMOUS)

III/IV B.Tech. DEGREE EXAMINATION, MAY - 2023

Sixth Semester

INFORMATION TECHNOLOGY

20IT6301 CLOUD COMPUTING

Time: 3 hours

Max. Marks: 70

Part-A is compulsory

Answer One Question from each Unit of Part - B

Answer to any single question or its part shall be written at one place only

PART-A

10 x 1 = 10M

1. a. List benefits of Software as a Service? (CO1 K1)
- b. Write the advantages of virtualization in cloud computing? (CO1 K1)
- c. List major characteristics of cloud computing. (CO1 K1)
- d. List any two Pros and Cons of AJAX? DHTML Features. (CO2 K1)
- e. Purpose of using Representational State Transfer Web Service? (CO2 K2)
- f. What is Microsoft Active Directory (CO2 K1)
- g. Mention Microsoft.Net Services. (CO3 K1)
- h. List unique features Google Apps Premier Edition? (CO3 K1)
- i. What is Server Virtualization? (CO4 K1)
- j. What is IAM? (CO4 K1)

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PART-B

4 x 15 = 60M

UNIT-I

2. a. Discuss in detail about Platform as a Service with a suitable example.
(CO1 K2) 8M
- b. Explain in detail about different types of database services in cloud computing
(CO1 K2) 7M

(or)

3. a. Compare and contrast benefits and limitations of cloud computing.
(CO1 K2) 8M
- b. Discuss how Security is provided in cloud environment
(CO1 K2) 7M

UNIT-II

4. a. Discuss in detail about Amazon Simple Storage Services (S3) and how it works?
(CO2 K2) 8M
- b. Explain Google Bigtable Data store and how it works?
(CO2 K2) 7M

(or)

5. a. List and explain different web browsers used in cloud computing technology.
(CO2 K2) 8M
- b. What is the purpose of using MobileMe? Discuss MobileMe features and requirements.
(CO2 K2) 7M

UNIT-III

6. a. Discuss about driving forces of Software as a Service in cloud.
(CO3 K2) 7M
- b. Explain features available in Microsoft Live Services?
(CO3 K2) 8M

(or)

7. a. Explain the following
a) Google Android for Integration
b) Apple iPhone SDK as a provider.
(CO3 K2) 8M
- b. Write a short note on Google Gears.
(CO3 K2) 7M

UNIT-IV

8. a. Explain how the virtualization can be done in an organization? Discuss why and how to virtualize?
(CO4 K2) 8M
- b. Identify any two scientific applications in cloud environment and explain in detail.
(CO4 K3) 7M

(or)

9. a. Discuss in detail about VMware and VMware Infrastructure?
(CO4 K2) 8M
- b. Explain the following cloud security mechanisms in detail
a) Encryption
b) Digital Signatures
(CO4 K2) 7M

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