Q.P. Code: 19CS0529 **R19**

**Reg. No:** | | | | | | | | | | |

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**

(AUTONOMOUS)

**B.Tech IV Year I Semester Regular Examinations November/December-2022**

**CLOUD COMPUTING**

(Common to CSE & CSIT)

Time: 3 hours Max. Marks: 60

(Answer all Five Units **5 x 12** = **60** Marks)

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|---|---|---|---|---|---|
| | | **UNIT-I** | | | |
| 1 | a | Illustrate in detail about the GPU Programming Model with necessary diagrams. | L3 | 6M |
| | b | Explain the difference between multi tasking, multi threading and Virtualization. | L2 | 6M |
| | | **OR** | | | |
| 2 | a | Explain in detail about Grid Architecture and standards. | L2 | 6M |
| | b | Explain system models for distributed and cloud computing. | L2 | 6M |
| | | **UNIT-II** | | | |
| 3 | a | Write Short notes on Software as a Service. | L1 | 6M |
| | b | Explain Briefly about Deployment Models. | L2 | 6M |
| | | **OR** | | | |
| 4 | a | Explain briefly about types of SLA. | L2 | 6M |
| | b | Importance about Life Cycle of Service Level Agreement. | L5 | 6M |
| | | **UNIT-III** | | | |
| 5 | a | Write a note on Virtualization support at the OS level. | L1 | 6M |
| | b | Illustrate Hypervisor and Xen Architecture. | L3 | 6M |
| | | **OR** | | | |
| 6 | a | Design the Dynamic Deployment of Virtual Clusters. | L5 | 6M |
| | b | Evaluate the Virtual Storage Management. | L5 | 6M |
| | | **UNIT-IV** | | | |
| 7 | a | Compare Authorization Methods and Authentication Methods. | L4 | 6M |
| | b | Explain about Identity and Access Management Architecture. | L2 | 6M |
| | | **OR** | | | |
| 8 | a | Identify the cloud computing threats to data security. | L1 | 6M |
| | b | Compare and contrast SaaS, PaaS and IaaS. | L4 | 6M |
| | | **UNIT-V** | | | |
| 9 | a | Analyze the challenges of mobile cloud computing in detail. | L4 | 6M |
| | b | List out the supporting performance at service level and cloud API. | L1 | 6M |
| | | **OR** | | | |
| 10 | a | Explain in brief about fault tolerance and cost benefit analysis. | L2 | 6M |
| | b | What is hardware approaches and software approaches in MCC? | L1 | 6M |

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