

Code No: R20A0521

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

IV B.Tech I Semester Supplementary Examinations, April 2024**Cloud Computing****(CSE, IT, CSE-CS, CSE-AIML, CSE-DS & CSE-IOT)**

Roll No									

Time: 3 hours**Max. Marks: 70**

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

SECTION-I

- 1 A Explain about Layered services of Cloud Computing with a neat sketch. [7M]
B Discuss in detail the underlying principles of Parallel computing. [7M]

OR

- 2 A List out and explain features of SaaS. [7M]
B Outline the similarities and differences between distributed computing, grid computing and cloud computing. [7M]

SECTION-II

- 3 A Explain different levels of Virtualization Implementation. [7M]
B Discuss about CPU Virtualization. [7M]

OR

- 4 A Distinguish between Full Virtualization and Para- Virtualization. [7M]
B Elaborate on the Virtualization of Clusters and Data Centers. [7M]

SECTION-III

- 5 A Explain the steps to provision process of virtual machine with a neat diagram. [7M]
B Illustrate in detail about the Aneka resource provisioning service. [7M]

OR

- 6 A List and explain Different techniques of VM migration. [7M]
B Describe the life cycle of a VM within OpenNebula. [7M]

SECTION-IV

- 7 A Describe in detail about the Sustainability of Software as a Service. [7M]
B Discuss about data security risks in the cloud. [7M]

OR

- 8 A Write notes on centralizing email communications and web based communication tools. [7M]
B Define an Information Card. Explain how Information Cards are used to protect data. [7M]

SECTION-V

- 9 A Explain Load Balancing techniques for SLO Management. [7M]
B What are the key components of service level agreement? Explain. [7M]

OR

- 10 With a neat sketch draw the flowchart of SLA management in cloud and explain different Phases? [14M]
