

**VIT**

Vellore Institute of Technology

(Vellore Institute of Technology) Vellore, India

School of Computer Science Engineering and Information Systems (SCORE)**FALL 2023-2024****Continuous Assessment Test (CAT – I)****Programme Name & Branch: MCA****Course Name & Code: PMCA506L Cloud Computing****Slot: C1 Class Number: VL2023240106196, VL2023240106198, VL2023240106200****Faculty Name: Dr. DAPHNE LOPEZ, Dr. SUBHASHINI R, Dr. NADESH R.K****Exam Duration: 90 Mins****Maximum Marks: 50****Answer all the Questions (5 *10 = 50 Marks)**

1. Elucidate the Distributed Computing Paradigms that include the challenges in computing complex applications and data.
2. With an illustration, explain why Cloud Computing is referred to as an "On-Demand Computing". Elaborate how cloud service providers provide the on-demand functionality for their computing resources.
3. Identify the need for Service Oriented Architecture; explicate the components needed to build the architecture with an appropriate example.
4. "Many Enterprises are moving towards cloud for their business process", Justify with the service model, deployment model provided by the cloud service provider.
5. Imagine you to be a cloud architect, and if you have the responsibility of constructing a data center, what type of topology would you choose and why? Elaborate.
