# SCHOOL OF COMPUTER SCIENCE ENGINEERING AND INFORMATION SYSTEMS

## CONTINUOUS ASSESSMENT TEST – I - FALL SEMESTER - 2024-25

**Programme Name & Branch:** M.C.A     **Class Number(s):** VL2024250103251, 3150, 3213
**Course Code:** PMCA506L     **Course Name:** Cloud Computing
**Faculty Name(s):** Dr. DAPHNE LOPEZ, Dr. SATHIYAMOORTHY E, Dr. BRIJENDRA SINGH
**Maximum Marks:** 50     **Exam Duration:** 90 Mins

## ANSWER ALL THE QUESTIONS (5 X 10 = 50 MARKS)

1. "Cloud computing represents a transformative IT paradigm. It offers seamless access to servers, networks, storage, development tools via the internet that saves hefty investment in infrastructure." Justify.

2. Explain the cloud reference architecture for a large online shopping service deployed over a public cloud.

3. With an illustration explain how the service offerings of the cloud become important for business.

4. Elaborate on Service Oriented Architecture applied in the healthcare sector, hospitals and healthcare providers that facilitates smooth data exchange among electronic health records, billing systems, appointment scheduling, and various other functions critical to patient care.

5. One of the world's largest electronic manufacturer plans to set up a cloud that provides services for its employees, customers and suppliers. What type of a deployment model would they prefer and why? Enumerate the characteristics for such a type of deployment.