SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
B.Sc.(Computer Science) END SEMESTER EXAMINATIONS NOVEMBER -2023
SEMESTER - V
**21UCSET5CC1 - Cloud Computing**

Total Duration : 2 Hrs 30 Mins. Total Marks : 60

## Section B

### Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. Define cloud computing and explain its key characteristics.

2. Explain about global exchange of cloud resources.

3. Assess the potential security risks associated with cloud computing and suggest mitigation strategies for each.

4. Describe about collabrating via Web-based communication tools.

5. Explain about virtualization structures.

6. Summarize the shared responsibility model in cloud security and give examples.

7. Design a disaster recovery plan for a critical application hosted on a cloud platform of your choice.

8. Explain Layered Cloud Architecture Development Process.

## Section C

### Answer any **THREE** questions $(3 \times 10 = 30$ Marks)

9. Analyze the security implications of utilizing a public cloud versus a private cloud for hosting sensitive healthcare data.Which deployment model would you recommend and why.

10. Discuss the concept of virtualization in cloud computing.
    How does it contribute to resource optimization and efficient management.

11. Discuss about layered cloud architecture.

12. Analyze the potential security risks associated with data migration to the cloud. Provide strategies to mitigate these risks

13. Describe Social Network and Groupware and Blogs with example.

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