

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 - NOV'2024

SEMESTER - V

24UCSET5A01 - Cloud Computing

Total Duration : 1 Hrs. 30 Mins.

Total Marks : 40

Section B

Answer any **TEN** questions ($10 \times 2 = 20$ Marks)

1. What is resource pooling?
2. Describe scalability in cloud computing.
3. What are hybrid clouds?
4. Give some examples of cloud providers.
5. What is deployment in cloud computing?
6. Define guest OS.
7. Define CDN.
8. Define serverless computing.
9. Define cloud monitoring.
10. Define routing.
11. What are two key advantages of using a cloud-based data center compared to a traditional on-premises data center?
12. Explain file storage.

Section C

I - Answer any **FOUR** questions ($4 \times 5 = 20$ Marks)

13. Explain the different types of virtual machines used in cloud computing, highlighting their key features, use cases, and advantages. Provide examples for each type.
14. Discuss the role of DevOps in cloud computing. How does the integration of DevOps practices enhance the development and deployment process in cloud environments?

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15. Explain the different cloud service models in cloud computing, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Discuss their key characteristics, use cases, and advantages for businesses.
16. Examine network virtualization in cloud computing. Discuss its key components, benefits, and how it enhances resource management and flexibility in cloud environments.
17. Explain the importance of cloud monitoring in cloud computing. Discuss the key metrics and tools used for effective cloud monitoring.
18. What is congestion control in cloud computing, and what strategies are used to manage network congestion? Why is it important for performance?
