

ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTERS SCIENCE & ENGINEERING

Frequently Asked Questions
Subject: CLOUD COMPUTING

AY: 2017-18

UNIT-1

1. Explain Scalable Computing over the Internet?
2. Explain about Technologies for Network based systems?
3. Discuss HPC and HTC?
4. Discuss performance Metrics and Scalability Analysis for virtual Machines?
5. Define cloud computing? List out characteristics of cloud computing?
6. Illustrate cloud design objectives?
7. Explain different computing paradigms?

UNIT-2

1. Describe the Virtualization Structures with neat diagrams?
2. Explain about Virtualization of CPU, Memory and I/O devices?
3. Explain Implementation levels of virtualizations?
4. Give VMM design requirements and explain?
5. What is Hypervisor? List out some examples?
6. What is VMM? Explain XEN Architecture?
7. Define full Virtualization? Draw a neat sketch of Para Virtualization Architecture and explain?

UNIT-3

1. Write short notes on Cloud Computing and service Models?
2. Explain Architectural Design of Compute and Storage Clouds?
3. Define cloud computing? Explain different types of clouds available.?
4. List out architecture design challenges of compute & storage Clouds? Discuss them in brief.
5. Draw a neat sketch of Google cloud platform and explain?
6. Draw and explain Amazon cloud computing infrastructure?
7. List five public cloud offerings of PaaS?
8. Draw and explain Microsoft Windows Azure?

UNIT-4

1. Describe the Features of Cloud and Grid Platforms?
2. Compare and contrast Parallel & Distributed Programming Paradigms?
3. List out system issues for running typical parallel program in cloud data centers?
4. Differentiate between piglatin, sawzall & DrayadLINQ?
5. Explain SQL Azure & Azure tables?
6. Draw a neat sketch of Google cloud platform and explain?
7. Draw and explain Amazon cloud computing infrastructure?
8. How the piglatin is helpful to Hadoop Architecture? Explain?

UNIT-5

1. What is Cloud Resource Management and Scheduling?
2. What is Feedback Control Based on Dynamic Thresholds?
3. Explain the Policies and Mechanisms for resource management in cloud data centers?
4. What is the role of power managers in cloud resource scheduling and management? Explain briefly?
5. What is resource bundling? Explain combinational auctions?
6. Define control theory? Discuss the use of control theory in cloud resource management?
7. With a neat sketch explain Stability of a two-level resource allocation architecture.?
8. Draw two level architecture of resource allocation in cloud?

UNIT-6

1. Explain about Evolution of storage technology?
2. Write short notes on Google file system?
3. Explain the architecture of GFS clustering?
4. Explain in detail general parallel file system?
5. List and explain various storage models of file systems and data base?
6. Explain mega store architecture with example?
7. How megastore is associated with Big table? Explain.
8. What is Chubby? How it is useful to cloud?

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