



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**

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QUESTION BANK (DESCRIPTIVE)

Subject with Code: Cloud Computing (18MC9135)

Course & Branch: MCA

Year & Sem. : III - I

Regulation: R18

UNIT –I

Distributed Computing-An Introduction

1	Explain about Distributed System Models with examples.	[L2][CO2]	[12M]
2	Explain the different types of Computing Trends.	[L2][CO4]	[12M]
3	Describe the following concepts a) Grid. b) Cluster. c) Virtualization.	[L1][CO2]	[12M]
4	Explain about Grid Computing with examples.	[L2][CO2]	[12M]
5	What is Cluster? Explain the types of Cluster Computing with an example.	[L1][CO2]	[12M]
6	Explain in detailed about Distributed Computing Systems.	[L2][CO2]	[12M]
7	a) Describe in detail about Virtualization with an example. b) Explain about different types of Virtualizations with an example.	[L3][CO3] [L2][CO3]	[06M] [06M]
8	a) Compare between Grid Computing & Cluster computing. (b) Illustrate with an examples for Computing Trends.	[L2][CO2] [L2][CO4]	[06M] [06M]
9	Extends the concepts of Introduction and Distributed Computing with an example.	[L1][CO2]	[12M]
10	Write a programming application which is related to the Recent Computing Trends?	[L3][CO4]	[12M]

UNIT –II

Cloud Computing

1	a) What is Cloud Computing? Explain the benefits of Cloud Computing. b) Discuss the types of Cloud Computing with examples.	[L1][CO1] [L2][CO1]	[06M] [06M]
2	a) Define the properties of Cloud with an example. b) Explain the characteristics of Cloud Computing?	[L2][CO1] [L2][CO2]	[06M] [06M]
3	Define about Pros and Cons of Cloud Development.	[L2][CO2]	[12M]

4	a) Define Cloud Platform Architecture and describe the details. b) Discuss about Amazon AWS?	[L2][CO2] [L6][CO2]	[06M] [06M]
5	a) What is Microsoft Azure? Give with an example. b) Give differences between Azure and Google App Engine.	[L1][CO2] [L4][CO2]	[06M] [06M]
6	a) Explain the details about Google Map Reduce. b) Define the concept of Yahoo Hadoop?	[L3][CO2] [L2][CO2]	[06M] [06M]
7	Examine the concept of Eucalyptus in briefly.	[L4][CO3]	[12M]
8	Explain details about Nimbus with an example.	[L2][CO2]	[12M]
9	Explain about Open Stack in detailed.	[L1][CO2]	[12M]
10	Compare and contrast between Google App Engine with Microsoft Azure.	[L4][CO2]	[12M]

UNIT –III

Cloud Service Models, Software as a Service (SAAS)

1	Explain detail about the Cloud Service Models with an example.	[L2][CO6]	[12M]
2	Explain detail about the Infrastructure as a Service (IAAS).	[L2][CO4]	[12M]
3	a) Explain the concept of Resource Virtualization? b) Describe in detail about Case studies of IAAS.	[L1][CO3] [L1][CO4]	[06M] [06M]
4	Discuss in details about Network in Cloud Service Models.	[L2][CO2]	[12M]
5	a) Summarize the concept of Servers in Cloud Services? b) Explain in detail about Storage in Cloud Platform.	[L1][CO6] [L2][CO2]	[06M] [06M]
6	Discuss in detail about Platform as a Service (PAAS)	[L2][CO4]	[12M]
7	a) Explain the concept of Cloud Platform & Management. b) Simplify the concept of Computation in PAAS.	[L2][CO2] [L4][CO3]	[06M] [06M]
8	a) Discuss about the Storage in PAAS? b) Define Case studies in a Platform.	[L2][CO4] [L2][CO2]	[06M] [06M]
9	Illustrate the concept of Software as a Service (SAAS)	[L2][CO4]	[12M]
10	a) Describe about Web Services in SAAS? b) Explain in details Web OS an example.	[L1][CO4] [L2][CO2]	[06M] [06M]

UNIT –IV**Cloud Deployment Models**

1	Discuss the benefits of Cloud Deployment and classification of Models.	[L2][CO2]	[12M]
2	Explain about the concept of Public Deployment Model.	[L2][CO2]	[12M]
3	Explain in detail about Community Deployment Model.	[L2][CO2]	[12M]
4	a) Describe in detailed concept of Hybrid Deployment Model with an Architecture. b) Discuss in detailed components of Cloud Deployment Models.	[L1][CO2] [L2][CO2]	[06M] [06M]
5	a) Extend the concept of Virtual Private Cloud. b) Compare and contrast between Virtual & Private architecture model.	[L2][CO2] [L2][CO2]	[06M] [06M]
6	a) Discuss about Community Deployment Model with a neat Sketch. b) Give a guideline and proper use of Cloud Deployment with a sample diagram.	[L2][CO3] [L4][CO3]	[06M] [06M]
7	Explain in details of Private Deployment Model with a neat architecture.	[L2][CO2]	[12M]
8	Examine about the concept of a) Hybrid Deployment b) Community Deployment	[L3][CO3]	[12M]
9	a) Express about the concept of Public & Private Cloud Deployment. b) Contrast between Hybrid Cloud & Community Cloud Deployment	[L4][CO3] [L2][CO2]	[06M] [06M]
10	Explain in detailed about Introduction and Deployment Component Models.	[L2][CO2]	[12M]

UNIT –V**Cloud Issues and Challenges**

1	Explain about the concept of Cloud Issues and Challenges.	[L2][CO5]	[12M]
2	Explain in detail about Organizational Readiness and Change Management in Cloud.	[L2][CO5]	[12M]
3	Define about a Security in Cloud Issues and Challenges.	[L3][CO5]	[12M]
4	Describe about Legal Issues in Cloud Challenges.	[L1][CO5]	[12M]
5	Explain in details of Simple Application using Simulator.	[L2][CO4]	[12M]

6	a) Discuss in briefly about Product Readiness for Cloud Services b) Explain in detail about Challenges in Cloud Computing.	[L2][CO5] [L2][CO5]	[06M] [06M]
7	Contrast between Security & Legal Issues in Cloud Challenges	[L2][CO5]	[12M]
8	Discuss in detail about Simulator Concept in Cloud Issues.	[L2][CO4]	[12M]
9	Evaluate between Simple applications and Web Applications.	[L5][CO2]	[12M]
10	Distinguish about Web Applications using Simulators.	[L4][CO4]	[12M]

Prepared by – Mr.P. Balaji, Assistant Professor, MCA Department.