Course Code: 19MC9136 **R19**

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)
Siddharth Nagar, Narayanavanam Road – 517583
QUESTION BANK (DESCRIPTIVE)

Subject with Code: Cloud Computing (19MC9136) **Course & Branch**: MCA

Regulation: R19 **Year & Sem:** III MCA & I-Sem

UNIT –I
Distributed Computing-An Introduction & Distributed System Models

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

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UNIT –II
Cloud Computing & Cloud Platform Architectures

1	Compare and contrast between Google App Engine with Microsoft Azure.	[L4][CO2]	[12M]
2	a) What is Microsoft Azure? Give with an example. b) Give the differences between Azure and Google App Engine.	[L1][CO2] [L4][CO2]	[06M] [06M]
3	Examine the concept of Eucalyptus in briefly.	[L4][CO3]	[12M]
4	a) Define the properties of Cloud with an example. b) Explain the characteristics of Cloud Computing?	[L2][CO1] [L2][CO2]	[06M] [06M]
5	Explain details about Nimbus with an example.	[L2][CO2]	[12M]
6	a) Define Cloud Platform Architecture and describe the details. b) Discuss about Amazon AWS?	[L2][CO2] [L6][CO2]	[06M] [06M]
7	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]
8	Explain about Open Stack in detailed.	[L1][CO2]	[12M]
9	a) Explain the details about Google Map Reduce. b) Define the concept of Yahoo Hadoop?	[L3][CO2] [L2][CO2]	[06M] [06M]
10	Define about Pros and Cons of Cloud Development.	[L2][CO2]	[12M]

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UNIT –III
Cloud Service Models, Platform as a Service (PAAS)

1	a) Summarize the concept of Servers in Cloud Services?	[L1][CO6]	[06M]
	b) Explain in detail about Storage in Cloud Platform.	[L2][CO2]	[06M]
2	Illustrate the concept of Software as a Service (SAAS)	[L2][CO4]	[12M]
3	a) Explain the concept of Cloud Platform & Management.	[L2][CO2]	[06M]
	b) Simplify the concept of Computation in PAAS.	[L4][C03]	[06M]
4	Explain detail about the Cloud Service Models with an example.	[L2][CO6]	[12M]
5	a) Discuss about the Storage in PAAS?	[L2][CO4]	[06M]
	b) Define Case studies in a Platform.	[L2][CO2]	[06M]
6	Explain detail about the Infrastructure as a Service (IAAS).	[L2][CO4]	[12M]
7	a) Describe about Web Services in SAAS?	[L1][CO4]	[06M]
	b) Explain in details Web OS an example.	[L2][CO2]	[06M]
8	Discuss in details about Network in Cloud Service Models.	[L2][CO2]	[12M]
9	a) Explain the concept of Resource Virtualization?	[L1][CO3]	[06M]
	b) Describe in detail about Case studies of IAAS.	[L1][CO4]	[06M]
10	Discuss in detail about Platform as a Service (PAAS)	[L2][CO4]	[12M]

Course Code: 19MC9136 **R19**

UNIT –IV

Cloud Deployment Models

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

Course Code: 19MC9136 **R19**

UNIT –V
Cloud Issues and Challenges

1	Describe about Legal Issues in Cloud Challenges.	[L1][CO5]	[12M]
2	Contrast between Security & Legal Issues in Cloud Challenges	[L2][CO5]	[12M]
3	Explain in detail about Organizational Readiness and Change Management in Cloud.	[L2][CO5]	[12M]
4	Evaluate between Simple applications and Web Applications.	[L5][CO2]	[12M]
5	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]
6	Explain about the concept of Cloud Issues and Challenges.	[L2][CO5]	[12M]
7	Define about a Security in Cloud Issues and Challenges.	[L3][CO5]	[12M]
8	Distinguish about Web Applications using Simulators.	[L4][CO4]	[12M]
9	Explain in detail about Simple Application using Simulator.	[L2][CO4]	[12M]
10	Discuss in detail about Simulator Concept in Cloud Issues.	[L2][CO4]	[12M]

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