R19

Set No. 1

IV B. Tech I Semester Regular Examinations, November – 2022
CLOUD COMPUTING
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 75

Answer any FIVE Questions
ONE Question from Each unit
All Questions Carry Equal Marks
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UNIT-I

1	a)	Illustrate the distributed system models and enabling technologies	[7]
	b)	Discuss on Network-centric computing.	[8]

(OR)

2	a)	List and explain the ethical issues in cloud computing.	[7]
	b)	Give a brief note on enriching the 'Integration as a Service'.	[8]

UNIT-II

3	Describe the cloud computing at Amazon and Google.	[15]

(OR)

4	a)	Explain the Microsoft Windows Azure.	[7]
	b)	Enumerate the concept of software licensing.	[8]

UNIT-III

5	a)	Explain the virtualization structure/Tools and mechanisms	[7]
	b)	Discuss the Virtual machines provisioning and Migration services	[8]

(OR)

6	a)	Describe the layering and virtualization in detail.	[7]
	b)	Explain the darker side of virtualization.	[8]

UNIT-IV

7	Elaborate on the distributed file systems.	[15]

(OR)

8	Discuss the general parallel file systems.	[15]

UNIT-V

9	a)	Explain the Amazon Web Services.	[7]
	b)	Discuss the usage of S3 in Java.	[8]

(OR)

10	a)	Describe the Cloud-based simulation of a Distributed trust algorithm.	[7]
	b)	Elaborate on the Cloud service for adaptive data streaming.	[8]
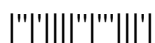
Code No: R194105G **R19** Set No. 2

IV B. Tech I Semester Regular Examinations, November – 2022
CLOUD COMPUTING
(Common to Computer Science and Engineering and Information Technology)
Time: 3 hours   Max. Marks: 75

Answer any FIVE Questions
ONE Question from Each unit
All Questions Carry Equal Marks
*****

UNIT-I

1	a)	Explain peer-to-peer systems in detail.	[7]
	b)	List and explain in the Major challenges for cloud computing.	[8]

(OR)

2	a)	Discuss the model concurrency with Petri Nets.	[7]
	b)	Elaborate on the concept of communication protocols.	[8]

UNIT-II

3	List and explain various Challenges of cloud computing with a suitable example.	[15]

(OR)

4	a)	Describe the HPC on the cloud.	[7]
	b)	Explain the energy use and ecological impact.	[8]

UNIT-III

5	a)	Describe the Management of Virtual Machines for Cloud Infrastructure	[7]
	b)	List and explain the storage virtualization technologies	[8]

(OR)

6	Discuss the Applications of control theory to task scheduling.	[15]

UNIT-IV

7	a)	Explain the Virtual machine security.	[7]
	b)	Elaborate on the Cloud security risks.	[8]

(OR)

8	Discuss the Amazon Simple Storage Service.	[15]

UNIT-V

9	a)	Explain the Share Point Services.	[7]
	b)	Discuss the Microsoft Dynamics CRM	[8]

(OR)

10	Discuss in detail on instances, connecting clients, security rules w.r.t.EC2.	[15]
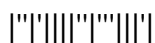
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R19

Set No. 3

IV B. Tech I Semester Regular Examinations, November – 2022
CLOUD COMPUTING
(Common to Computer Science and Engineering and Information Technology)
Time: 3 hours   **Max. Marks: 75**

Answer any FIVE Questions
ONE Question from Each unit
All Questions Carry Equal Marks
*****

UNIT-I

1	a)	Describe the evolution of cloud computing.	[7]
	b)	Discuss cloud computing interoperability.	[8]

(OR)

2	a)	Explain any six benefits of software as a service in cloud computing	[7]
	b)	How does web-based word processing works in cloud computing? Discuss in detail.	[8]

UNIT-II

3	Discuss in detail on Open Source Software Platforms.	[15]

(OR)

4	a)	Explain the ZooKeeper in cloud computing.	[7]
	b)	Describe about cloud storage diversity.	[8]

UNIT-III

5	Explain the resource management and dynamic application scaling	[15]

(OR)

6	a)	Discuss the stability of the two-level resource allocation architecture.	[7]
	b)	Elaborate the cloud scheduling subject to deadlines.	[8]

UNIT-IV

7	Discuss the Apache Hadoop, Big Table, and Megastore.	[15]

(OR)

8	Illustrate the storage models, file systems, and database	[15]

UNIT-V

9	a)	Give a brief note on Google App Engine.	[7]
	b)	Elaborate on the Google Web Toolkit	[8]

(OR)

10	a)	Explain the Azure Services Platform	[7]
	b)	Describe the Cloud Application Development.	[8]

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UNIT-I

1	a)	List and explain the advantages and limitations of software as a service.	[7]
	b)	Discuss the Parallel and Distributed Systems.	[8]

(OR)

2	a)	Explain the terms logical clocks, and message delivery rules.	[7]
	b)	Elaborate on the peer-to-peer systems.	[8]

UNIT-II

3	List and explain the various features of Apache Zookeeper Features.	[15]

(OR)

4	a)	Explain the Google Perspective.	[7]
	b)	Discuss the energy use and ecological impact.	[8]

UNIT-III

5	a)	Explain the Scheduling Map Reduce applications	[7]
	b)	Disuses the Xen and vBlades.	[8]

(OR)

6	a)	Explain the hardware support for virtualization.	[7]
	b)	Discuss the Cloud Resource virtualization.	[8]

UNIT-IV

7	a)	Elaborate on the Evolution of storage technology.	[7]
	b)	Describe the storage models.	[8]

(OR)

8	a)	Explain the file systems and database.	[7]
	b)	Illustrate on cloud service for adaptive data streaming.	[8]

UNIT-V

9	Explain the Cloud-based simulation of a Distributed trust algorithm	[15]

(OR)

10	Write a short note on the following:	[15]
	a) Exchange Online	
	b) Share Point Services	