

CBCS SCHEME - Make-Up Exam

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BIS613D

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025

Cloud Computing and Security

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	Explain scalable computing over the internet.	10	L2	CO1
	b.	Discuss internet of things and cyber-physical systems.	10	L2	CO1
OR					
Q.2	a.	Discuss system models for distributed and cloud computing.	10	L2	CO1
	b.	Explain performance, security and energy efficiency.	10	L2	CO1
Module – 2					
Q.3	a.	Discuss levels of virtualization implementation.	10	L2	CO2
	b.	Discuss full virtualization and para virtualization.	6	L2	CO2
	c.	Explain CPV and memory virtualization.	4	L2	CO2
OR					
Q.4	a.	Explain virtualization structure/tools and mechanisms.	10	L2	CO2
	b.	Discuss virtualization for data center automation.	10	L2	CO2
Module – 3					
Q.5	a.	Explain cloud computing and service models with neat diagram.	10	L2	CO3
	b.	Discuss Data Center Networking Structure with neat diagram.	10	L2	CO3
OR					
Q.6	a.	Explain Data-center construction requirements.	10	L2	CO3
	b.	Explain the following: i) GAE ii) AWS	10	L2	CO3
Module – 4					
Q.7	a.	Explain cloud security risks and discuss types of attacks in a cloud computing environment.	10	L2	CO4
	b.	Explain privacy impact assessment in cloud computing.	10	L2	CO4
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OR				
Q.8	a.	Discuss security risks posed by shared images and management OS.	10	L3 CO4
	b.	Explain data and software protection techniques.	10	L3 CO4
Module – 5				
Q.9	a.	Explain programming support for Google App Engine.	10	L3 CO5
	b.	Discuss features of cloud and grid.	10	L2 CO5
OR				
Q.10	a.	Discuss parallel computing and programming paradigms.	10	L3 CO5
	b.	Explain programming on Amazon AWS and Microsoft azure.	10	L3 CO5
