



MALLA REDDY ENGINEERING COLLEGE FOR WOMEN Autonomous Institution-UGC, Govt. of India

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DEPARTMENT: CSE - DS	COURSE: III B.TECH II SEM	SUBJECT: CC
	R22 REGULATION	2025-2026

ASSIGNMENT SHEET-1

SET-1

Sno	Question	CO	PO	BTL
1	Differentiate between Distributed Computing and Parallel Computing .	CO1	PO1	4
2	Explain High-Performance Computing with architecture and applications.	CO1	PO1	2
3	Describe the five essential characteristics of Cloud Computing in detail.	CO2	PO1	2
4	Explain the four cloud deployment models with suitable use cases.	CO2	PO2	3
5	Explain Network Connectivity in Cloud Computing .	CO3	PO1	2

SET-2

Sno	Question	CO	PO	BTL
1	Explain the four cloud deployment models with suitable use cases.	CO2	PO2	3
2	Compare traditional computing and cloud computing .	CO2	PO1	4
3	Explain Cluster Computing and Grid Computing . Highlight their differences.	CO1	PO1	4
4	Describe Optical Computing and Nano Computing with potential applications.	CO1	PO1	2

5	Access a simple blog application using the MVC architecture. Describe how you would separate the Model, View, and Controller in this context.	CO3	PO3	3
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SET-3

Sno	Question	CO	PO	BTL
1	Compare cluster computing and grid computing in terms of scalability.	CO1	PO2	4
2	Analyze the differences between HPC and Cloud Computing .	CO1	PO1	4
3	Explain public, private, community, and hybrid cloud models .	CO2	PO1	2
4	A startup wants to deploy a web application with minimum cost. Which cloud model and service would you recommend? Justify.	CO2	PO2	5
5	Describe the deployment of a three-tier web application in the cloud.	CO3	PO3	3

SET-4

Sno	Question	CO	PO	BTL
1	Explain why quantum computing is not yet widely commercialized.	CO1	PO1	5
2	Analyze the impact of nano computing on future hardware design.	CO1	PO2	4
3	Explain how cloud computing supports big data analytics .	CO2	PO1	3
4	Analyze the role of cloud computing in e-governance .	CO2	PO2	4
5	How does cloud management ensure performance optimization ?	CO3	PO3	3

SET-5

Sno	Question	CO	PO	BTL
1	Why is bio computing suitable for complex biological problems?	CO1	PO1	4
2	How does mobile computing support real-time applications ?	CO1	PO1	3
3	Discuss the motivating factors for cloud adoption.	CO2	PO2	4
4	Describe the benefits and risks of cloud computing .	CO2	PO2	4
5	Explain the use of containers VS virtual machines .	CO3	PO1, PO3	4

SET-6

Sno	Question	CO	PO	BTL
1	Explain why quantum computing is not yet widely commercialized.	CO1	PO1	5
2	Discuss the role of network latency in distributed systems.	CO1	PO2	4
3	Analyze the role of cloud computing in e-governance .	CO2	PO2	4
4	How does elasticity help in handling peak workloads?	CO2	PO1	3
5	Explain how load balancing and auto-scaling work together.	CO3	PO3	3

Signature of Faculty:

Signature of HOD: