

CBCS SCHEME

22MCA332



Third Semester MCA Degree Examination, Dec.2024/Jan.2025

Cloud Computing

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.	What is the innovative aspect of cloud computing?		10	L2	CO1
	b.	Write short notes on: (i) Web 2.0 Applications (ii) Key features of service orientation		10	L2	CO1
OR						
Q.2	a.	Write about the primary distributed computing technologies in cloud computing.		10	L2	CO1
	b.	What is utility computing? Explain in detail.		05	L1	CO1
	c.	Explain about the virtualization and its key aspect.		05	L2	CO1
Module – 2						
Q.3	a.	What is parallel and distributed computing and distinction between them?		10	L2	CO2
	b.	Write detail notes on: (i) The major categories of parallel computing system (ii) What is service-oriented computing?		10	L2	CO2
OR						
Q.4	a.	Explain about the parallel processing and its appealing computing alternatives.		10	L2	CO2
	b.	Discuss about the technologies that enable service computing.		10	L2	CO2
Module – 3						
Q.5	a.	What are the characteristics of virtual environments?		10	L2	CO2
	b.	Discuss about the classification of taxonomy of virtualization at various levels.		10	L2	CO2
OR						
Q.6	a.	Discuss about the Machine Reference Model for execution in virtualization.		05	L2	CO2
	b.	What is Xen? Discuss the elements of virtualization.		05	L2	CO2
	c.	Discuss Hyper-V's architecture. Illustrate its application in cloud computing.		10	L2	CO2
Module – 4						
Q.7	a.	What is "XaaS" abbreviation stand for? Explain in detail.		10	L2	CO3
	b.	Explain briefly about cloud reference model and essential components.		10	L2	CO3
OR						
Q.8	a.	Explain about the different forms of cloud and its classification.		10	L2	CO3
	b.	Discuss about the challenges of cloud computing. List out the application development concept.		10	L2	CO3
Module – 5						
Q.9	a.	What is AWS? What are types of services does it provide?		10	L3	CO4
	b.	Discuss the storage services provided by windows AZURE in detail.		10	L3	CO4
OR						
Q.10	a.	Describe how cloud computing technologies can be used to facilitate remote ECG monitoring.		10	L3	CO4
	b.	What are the most significant benefits of cloud technologies for social networking applications?		10	L3	CO4