Department of Computer Science and Engineering

Subject: Cloud Computing (23CS706)

Unit wise Question Bank

UNIT I: COMPUTING PARADIGMS & CLOUD FUNDAMENTALS

Short Questions

S.No	Questions	BT	CO	PO
1	What are the different computing paradigms?	L1	CO1	PO1
2	What is High Performance Computing?	L1	CO1	PO1
3	State the differences between distributed and parallel computing.	L2	CO1	PO2
4	What are the advantages of using Cluster computing?	L1	CO1	PO1
5	What are the types and applications of Grid Computing?	L1	CO1	PO1
6	Define Cloud Computing according to NIST.	L1	CO1	PO1
7	How Bio computing works?	L1	CO1	PO1
8	What are the limitations of Mobile Computing?	L2	CO1	PO1
9	Write about Quantum Computing.	L1	CO1	PO1
10	What are the applications of Optical Computing and Nano computing?	L1	CO1	PO1

Long Questions

S.No	Questions	BT	CO	PO
11	**a)** Explain HPC Technology in detail along with its historical evolution.	L2	CO1	PO1
	b) Explain Parallel Computing and describe the types of parallelism.	L2	CO1	PO1
12	**a)** Explain Distributed computing and compare it with Centralized systems.	L2	CO1	PO2
	b) Explain cluster computing and list out the various types of clusters.	L2	CO1	PO1
13	**a)** Explain Grid Computing and state its advantages and disadvantages.	L2	CO1	PO1
	b) Provide an overview of how Bio computing and Mobile computing differ from traditional computing models.	L4	CO1	PO2
14	**a)** Discuss Quantum Computing and its application in solving highly complex computational problems.	L2	CO1	PO1
	b) Write detailed structural notes on Optical computing and Nano computing platforms.	L2	CO1	PO1
15	**a)** Trace the evolution of computing paradigms leading up to the inception of cloud computing.	L2	CO1	PO1
	b) Analyze the technical reasons why business enterprises shift from legacy server infrastructures to modern distributed computing.	L4	CO1	PO2