PART – A (SHORT ANSWER QUESTIONS)

S. No.	Questions	Bloom's Taxonomy Level	Course Outcome
	UNIT – I		
1	Define distributed systems	Knowledge	3
2	Write about parallel computing	Create	3
3	Write about virtual machines	Create	4
4	Define single system image	Knowledge	5
5	Write about resources sharing in clustures	Create	5
6	Explain briefly about HTC	Understand	8
7	Write about middleware support for virtualisation	Create	6
8	Explain briefly about HPC	Understand	5
9	Write about virtual support at os level	Create	5
10	List the disadvantages of extending os level	Knowledge	3
	UNIT – II		
1	Define cloud?	Knowledge	4
2	How does cloud computing provides on demand functionality?	Knowledge	5
3	Define cloud computing?	Knowledge	6
4	List out characteristics of cloud computing?	Knowledge	7
5	Define utility computing?	Knowledge	6
6	List out the features of cloud computing?	Knowledge	5
7	Define grid computing?	Knowledge	6
8	What is autonomic computing?	Create	4
8	List out the challenges in cloud	Knowledge	4
10	What is boomi software?	Create	5

UNIT – III			
1	define fault tolerance?	Knowledge	6
2	What is load balancing?	Create	5
3	Explain in brief about public cloud and infrastructure services	Understand	6
4	Write about Google app engine	Create	5
5	Sketch the Aneka architecture	Application	4
6	Draw a neat diagram for Open Nebula high level architecture	Application	3
7	Write about VM life cycle	Create	2
8	Explain in brief about private cloud and infrastructure services	Understand	6
9	Write about Microsoft windows azure	Create	3
10	Define on demand service	Knowledge	3
UNIT – IV			
1	Write about federation	Create	6
2	Define isolation	Knowledge	7
3	Explain in brief about the virtual execution environment manager	Understand	2
4	Sketch a neat diagram for hosting of applications on servers	Application	5
5	Define federation scenarios	Knowledge	6
6	Draw a flow chart of the SLA management in cloud	Application	4
7	Write about elasticity	Create	4
8	Write about grid and cloud	Create	3
9	Explain in brief about the virtual execution environment host	Understand	3
10	List out the technical benefits of cloud computing	Knowledge	2
UNIT – V			
1	List out the strengths of information cards	Knowledge	6
2	Draw a neat sketch of perception of quality	Application	5
3	Distinguish direct versus indirect distribution	Understand	5
4	Write about cloud service life cycle	Create	4
5	List out the weakness of information cards	Understand	5
6	Define service strategy	Knowledge	6
7	Write about acceptance testing	Create	3
8	What is digital entity	create	4
9	Write about service design	Create	6
10	What is data security	Create	4

PART – B (LONGANSWER QUESTIONS)

S. No.	Questions	Bloom's Taxonomy Level	Course Outcome
UNIT-I			
1	Write about distributed system models and enabling technologies	Create	4
2	Explain in detail about system models and distributed cloud computing	Understand	3
4	Explain about Design Principles of Computer Clusters	Understand	2
5	List out the design principles of computer clustures		5
6	Explain about Computer Clusters and MPP Architectures	Understand	5
7	Write about technologies for network based system with suitable diagrams	Create	6
8	Write about Virtual Clusters and Resource Management	Create	1
9	Explain the virtualisation structure/Tools and mechanisms	Understand	2
UNIT – II			

1	What is cloud computing? Enlist and explain three service models, and four deployment models of cloud computing.	Understand	1
2	Explain the system models for distributed and cloud computing?	understand	2
3	Explain the architecture of P2P system?	Understand	2
4	Explain architectural design of compute and storage clouds?	Understand	5
5	Explain the infrastructure of Grid computing in detail?	understand	3
6	Explain any six benefits of Software as Service in Cloud computing?	Understand	4
7	Why is cloud called as eco system? justify	Understand	4
8	Difference between process virtual machines, host VMMs, native VMMs	Understand	3
9	Explain the importance of virtualization	Understand	1
10	"SOA as step forward cloud computing",Explain?	understand	2

UNIT – III

1	Explain in detail about RVWS design?	Understand	5
2	What is ANEKA cloud platform?	understand	4
3	Explain the technologies for data security in cloud computing?	Understand	3
4	Implement in detail about hybrid cloud?	knowledge	5
5	Explain the importance of quality and security in clouds?	Knowledge	4
6	Explain in detail about hybrid cloud implementation	Understand	6
7	Draw a neat sketch for architectural overview	Application	3
8	Explain about ANEKA resource provisioning service?	Understand	3
9	Draw a neat a of autonomic cloud bridging	Application	4
10	List out the importance of quality and security in cloud	Knowledge	5

UNIT – IV

1	Write about SAP systems in detail	understand	3
2	List out the business benefits of cloud computing	Knowledge	4
3	List out the business benefits of cloud computing	Knowledge	3
4	Explain about SLA management in cloud	understand	3
5	Explain about SLA management in cloud	Understand	2
6	Draw a neat sketch for automated policy based management with brief explanation	Application	3
7	Write about HPC systems and HPC on clouds	Understand	4
8	List out the technical benefits of cloud computing	knowledge	4
9	Explain in detail about decouple your components	understand	5
10	List out the technical benefits of cloud computing	knowledge	5
11	Explain in detail about decouple your components	understand	4

UNIT – V

1	Explain about a framework to comprehend the competitive environment	understand	3
2	Explain about digital identity and data security	understand	3
3	Write about quality of service and value composition	understand	2
4	Explain about common change management models(CMMM)	understand	4
5	List out the cloud contracting models	knowledge	3
6	List out the data privacy and security issues	knowledge	5
7	Explain about management maturity model	understand	4
8	Write about acceptance testing	understand	3

PART – C (PROBLEM SOLVING AND CRITICAL THINKING QUESTIONS)

S. No.	Questions	Bloom's Taxonomy Level	Course Outcome
**UNIT – I**			
1	What are the three computing paradigms for cloud computing	Create	4
2	Draw a neat graph for hype cycle for emerging technologies	Application	2
3	Sketch a three cloud service models in a cloud landscape of major providers	Application	2
4	Explain in detail about evaluation of SOA	Understand	3
5	Explain in detail about evaluation of SOA	Understand	3
6	Explain about parallel and distributed programming models	Understand	1
7	Discuss GPU clusters for massive parallelism	Understand	2
**UNIT - II**			
1	Explain cloud computing architecture and cloud components?	Understand	4
2	Explain the NIST reference architecture of cloud computing in detail?	Understand	2
3	Explain risk from multi tenancy environment. How IDS can be used in environment ?	Understand	2
4	Discuss SAAS,PAAS,IAAS and compare them?	Understand	6
5	Explain Information and Data Model for Virtual machine.	Understand	5
6	How does cloud architecture overcome the difficulties faced by traditional architecture? What are the three differences that separate out cloud architecture from the tradition one?	Understand	4
7	Explain the infrastructure of Grid computing in detail?	Understand	3
8	Explain multithreading model in detail?	Understand	3
**UNIT – III**			
1	Explain in detail about VM provisioning process	Understand	3
2	Sketch a neat diagram for a deployment scenario network with	Application	4
3	Explain VM life cycle and VM monitoring	Understand	4
4	Write about infrastructure enabling technology	Create	5
5	Explain in detail about automatic and selection process	Understand	6
6	List out the technologies for data security in cloud computing	Knowledge	2
7	Explain about scheduling techniques for advance reservation of capacity	Understand	1
8	Write about RVWS design in detail	Create	4
**UNIT – IV**			
1	List out the basic principles of cloud computing	Knowledge	2
2	Sketch a neat diagram for reservoir	Application	2
3	Explain about security considerations	Understand	3
4	Write about automated policy based management	Create	4

5	Explain about traditional approaches to SLO management	Understand	2
6	Write about amazon web services cloud	Create	2
7	Draw a flow chart of the SLA management in cloud	Application	3
8	Write about elasticity	Create	4
UNIT – V			
1	Write about a need for cloud mashups	Create	3
2	Write about cloud contracting models	create	2
3	Write about quality of service and value composition	Create	5
4	Explain about common change management models(CMMM)	Understand	5
5	Explain about common change management models	Understand	4
6	Explain about a framework to comprehend the competitive environment	Understand	5