INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

COMPUTER SCIENCE AND ENGINEERING

ASSIGNMENT QUESTIONS

Course Name	:	**CLOUD COMPUTING**
Course Code	:	A70519-R15
Class	:	IV B. Tech I Semester
Branch	:	Computer Science and Engineering
Year	:	2018 – 2019
Course Faculty	:	Ms. Ch Sri Vidya, Assistant Professor, CSE Ms. A Jayanthi, Assistant Professor, CSE Ms. S Swarajya Laxmi, Assistant Professor, CSE Ms. B tejaswi , Assistant Professor, CSE

OBJECTIVES:

To meet the challenge of ensuring excellence in engineering education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education. The major emphasis of accreditation process is to measure the outcomes of the program that is being accredited.

In line with this, Faculty of Institute of Aeronautical Engineering, Hyderabad has taken a lead in incorporating philosophy of outcome based education in the process of problem solving and career development. So, all students of the institute should understand the depth and approach of course to be taught through this question bank, which will enhance learner's learning process.

S. No.	Question	Blooms Taxonomy Level	Course Outcome
	UNIT - I		
1	Define distributed systems.	Understand	1
2	Write about parallel computing.	Remember	2
3	Write about virtual machines.	Understand	1
4	Define single system image.	Remember	2
5	Write about resources sharing in clusters.	Understand	3
6	Explain briefly about HTC	Understand	1
7	Write about distributed system models and enabling technologies	Remember	1
8	Explain in detail about system models and distributed cloud computing	Understand	3
9	Explain about Design Principles of Computer Clusters	Understand	2
10	List out the design principles of computer clusters	Understand	4
	UNIT - II		
1	What is cloud computing? Enlist and explain three service models, and four deployment models of cloud computing.	Understand	1

S. No.	Question	Blooms Taxonomy Level	Course Outcome
2	Explain the system models for distributed and cloud computing?	Remember	4
3	Explain the architecture of P2P system?	Understand	5
4	Explain architectural design of compute and storage clouds?	Understand	6
5	Explain the infrastructure of Grid computing in detail?	Understand	4
6	Explain any six benefits of Software as Service in Cloud computing?	Understand	4
7	Explain about enriching the integration of service paradigm for cloud	Remember	5
8	Explain information and data model for virtual machine.	Understand	4
9	Why is cloud called as eco system? Justify.	Remember	4
10	Difference between process virtual machines, Native Vmms.	Understand	4
UNIT - III			
1	Explain in detail about RVWS design?	Remember	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?	Remember	5
5	Explain the importance of quality and security in clouds?	Understand	4
6	Explain in detail about hybrid cloud implementation	Remember	5
7	Draw a neat sketch for architectural overview	Understand	3
8	Explain about ANEKA resource provisioning service?	Remember	3
9	Draw a neat a of autonomic cloud bridging.	Understand	3
10	List out the importance of quality and security in cloud.	Remember	3
UNIT - IV			
1	Explain the structure of Big table data model.	Remember	3
2	List out the business benefits of cloud computing.	Understand	4
3	Explain the architecture of Map reduce in Hadoop.	Understand	3
4	Explain about SLA management in cloud.	Remember	3
5	Describe the dataflow and control flow of Map reduce.	Understand	2
6	Write about SAP systems in detail.	Remember	3
7	Write about HPC systems and HPC on clouds.	Understand	4
8	List out the technical benefits of cloud computing.	Remember	4
9	Explain in detail about decouple your components.	Understand	5
10	Explain the dataflow and control flow of Map reduce.	Remember	4
UNIT - V			
1.	Explain about a framework to comprehend the competitive environment	Remember	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)	Remember	4
5.	List out the cloud contracting models	Understand	3
6.	List out the data privacy and security issues	Remember	5
7.	Explain about management maturity model	Understand	4

8.	Explain the data security and virtual machine security in detail.	Remember	4
9.	Write about identity management and access control in detail.	Understand	5
10.	Explain in detail about software-as-a-service security.	Understand	3

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