



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

INFORMATION TECHNOLOGY

ASSIGNMENT QUESTIONS

Course Name	:	CLOUD COMPUTING
Course Code	:	A60519
Class	:	III B. Tech II Semester
Branch	:	Information Technology
Year	:	2017 – 2018
Course Faculty	:	Dr. A. PRAVEEN, Associate Professor, Department of Information Technology

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	Remember	3
2	Define parallel computing	Remember	3
3	What are virtual machines	Understand	4
4	What is single system image? Explain	Understand	5
5	How resources sharing is implemented in clusters?	Understand	5
6	Explain briefly about HTC	Remember	8
7	Discuss in detail distributed system models and enabling technologies	Remember	4
8	Explain in detail about distributed cloud computing	Understand	3
9	Discuss in detail about design principles of computer clusters	Understand	2
10	List out the design principles of computer clusters	Remember	5

S. No.	Question	Blooms Taxonomy Level	Course Outcome
UNIT - II			
1	What is cloud computing? Enlist and explain three service models,	Understand	1
2	Explain the system models for distributed and cloud computing?	Understand	2
3	Explain the architecture of P2P system?	Understand	2
4	What is cloud computing stack? Explain with neat diagram.	Remember	4
5	Explain architectural design of compute and storage clouds?	Understand	5
6	Discuss in detail about hardware virtualization?	Remember	
7	Explain the infrastructure of Grid computing in detail?	Understand	3
8	What is cloud computing? Enlist and explain four deployment models of cloud computing.	Remember	6
9	Explain any six benefits of Software as Service in Cloud computing?	Understand	4
10	List and explain the characteristics of cloud computing.	Remember	3
UNIT - III			
1	Explain in detail about RVWS design?	Understand	5
2	What is ANEKA cloud platform?	Remember	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	Understand	6
7	Draw a neat sketch for architectural overview	Remember	3
8	Explain about ANEKA resource provisioning service?	Understand	3
9	Explain about the anatomy of cloud infrastructure?	Understand	6
10	What are Virtual Machine Migration Services?	Remember	3
UNIT - IV			
1	Write about SAP systems in detail	Understand	3
2	List out the business benefits of cloud computing	Remember	4
3	List out the business benefits of cloud computing	Understand	3
4	Explain about SLA management in cloud	Understand	3
5	Explain about life cycle of SLA	Understand	2
6	Draw a neat sketch for automated policy based management with brief explanation	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	What are security considerations in monitoring and management?	Remember	3
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

S. No.	Question	Blooms Taxonomy Level	Course Outcome
4	Explain about common change management models(CMMM)	Remember	4
5	List out the cloud contracting models	Remember	3
6	List out the data privacy and security issues	Understand	5
7	Explain about management maturity model	Understand	4
8	Explain in detail about Organizational Readiness Self-Assessment: (Who, When,Where, and How)	Understand	4
9	Discuss in detail about Cloud Service Life Cycle	Remember	5
10	How production readiness is assessed? Explain	Understand	6

Prepared by: Dr A. Praveen, Associate Professor

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