



Sanjay Ghodawat University, Kolhapur

2017-18

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY M Tech

School of Technology

Semester II

CCC506

Cloud Security

Max Marks: 100

May 2018, 25/5/18

End Semester Examination (ESE)

Time: 3 Hrs

Instructions for Students: 1) Use of non-programmable calculator is allowed

10:30 AM to 1:30 PM .2) All questions are compulsory

Q1	Solve any Two	Marks	Cos
a)	Explain CIA (Confidentiality Integrity Availability) Triad of information security and explain its importance in cloud computing	10	CO1
b)	What are digital signature explain in detail	08	CO1
Q2			
a)	Write a note on Virtualization System Vulnerabilities a) Guest VM vulnerabilities b) Hypervisor vulnerabilities	10	CO2
b)	Explain ESX VMware server architecture	06	CO2
	OR		
b)	Describe different user authentication methods in cloud		
Q3			
a)	Explain in detail the guest hopping attack on Virtual Machine	08	CO2
b)	Explain ESXi file system security and storage	08	CO2
Q4			
a)	Describe in details IBM security server protection.	08	CO2
b)	Write a note on the followings i) Virtualization based sand-boxing ii) VMware log management	10	CO2
Q5			
a)	What is VM side channel attack? Explain in detail	10	CO3
b)	Explain in brief VM migration attack	06	CO3
	OR		
b)	Write a short note on data loss prevention in cloud		
Q6			
a)	Describe the penetration testing for cloud based application	08	CO4
b)	Describe PCI DSS Responsibilities for Different Service Models	08	CO4
