



**PILLAI COLLEGE OF ENGINEERING, NEW PAN**  
**(Autonomous) (Accredited 'A+' by NAAC)**  
**END SEMESTER EXAMINATION**

**(Supplementary)**

**DECEMBER 2022**

**SEM VII**

**Subject:- Cloud Computing and Security**

**Time:  
03.00 Hours**

**Max. Marks: 80**

**N.B 1. Q.1 is compulsory**

**2. Attempt any three from the remaining four questions.**

**3. Each Question carry 20 marks.**

**Date:  
21/12/2022  
Subject Code:  
ECCDLOC7013**

Q.1.	<b>Attempt All</b>	<b>Marks</b>
a)	Explain in detail the various cloud deployment models.	5
b)	What is a hypervisor? Explain its types.	5
c)	Discuss in detail the working of Service oriented architecture.	5
d)	Explain in detail about Amazon Elastic MapReduce.	5
<b>Q.2.</b>	<b>Attempt All</b>	
a)	What is the role of virtualization in Cloud computing and what are the benefits of Virtualization?	4
b)	Differentiate between full virtualization and para virtualization.	4
c)	Explain in detail about Amazon EC2.	6
d)	Discuss the features of Amazon Simple Storage Service.	6
<b>Q.3.</b>	<b>Attempt All</b>	
a)	Illustrate the working of Model View Controller.	4
b)	What are the design considerations for cloud application design?	4
c)	Discuss the working of RESTful Web Services.	6
d)	Explain the salient features of any two open-source cloud private software in detail.	6

<b>Q.4.</b>	<b>Attempt All</b>	
<b>a)</b>	Write short notes on: 1) ACID Properties 2) SLA	<b>4</b>
<b>b)</b>	Discuss the Salient features of Data confidentiality and Encryption.	<b>4</b>
<b>c)</b>	How AAA model works and provide security?	<b>6</b>
<b>d)</b>	Explain the salient features of SSO model of cloud security.	<b>6</b>
<b>Q.5</b>	<b>Attempt All</b>	
<b>a)</b>	Illustrate the working of Cloud Storage Gateways.	<b>4</b>
<b>b)</b>	Write short note on the important features of streaming protocols.	<b>4</b>
<b>c)</b>	Explain in the role of Cloud Computing in the Energy sector.	<b>6</b>
<b>d)</b>	Discuss the role of cloud computing in the Healthcare industry.	<b>6</b>