

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI - 600 086
(For candidates admitted during the academic year 2019 – 2020 and thereafter)

M.Sc. DEGREE EXAMINATION – APRIL 2024
INFORMATION TECHNOLOGY
FOURTH SEMESTER

COURSE	:	CORE	
PAPER	:	CLOUD COMPUTING : THEORY AND PRACTICE	
SUBJECT CODE	:	19CS/PC/CT45	
TIME	:	1 ½ HOURS	MAX. MARKS: 50

SECTION – A

Answer ALL the questions **5 x 2 = 10**

1. List the characteristics of Grid computing.
2. What is SaaS in PaaS component stack?
3. What do you mean by Resource Pooling?
4. What is Load Balancing?
5. Define CAP Theorem.

SECTION – B

Answer any FOUR questions **4 x 5 = 20**

6. Summarize the operational benefits for moving your project into cloud environment.
7. What is distributed computing? How is it better than parallel processing technology?
8. Identify the actors and the roles involved in NIST cloud computing model.
9. Describe the different types of scaling in the cloud.
10. Summarize the benefits of Service Oriented Architecture.
11. Identify any three popular cloud storage for developers.

SECTION – C

Answer any TWO questions **2 x 10 = 20**

12. Discuss about the three categories of cloud computing facilities with a neat diagram.
13. Explain in detail about the NIST cloud computing model with a neat diagram and its characteristics.
14. Elucidate how the para virtualization establish communication between different guest operating system and state its advantages and limitations.
