

Register No.: ..... Name: .....

## SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**THIRD SEMESTER MCA DEGREE EXAMINATION (R), DECEMBER 2023**

**(2021 SCHEME)**

**Course Code: 21CA303-E**

**Course Name: Cloud Computing**

**Max. Marks: 60**

**Duration: 3 Hours**

### PART A

*(Answer all questions. Each question carries 3 marks)*

1. Write the challenges and benefits of cloud computing.
2. Define cloud computing with its applications.
3. How is security given to data at various stages in context of cloud?
4. Write a note on the major players in cloud computing.
5. Differentiate cloud management and cloud asset management.
6. Write a note on the charging model in cloud.
7. Explain desktop virtualization.
8. What is virtualization? Write the characteristics that make the virtualization ideal for cloud computing.
9. Mention the types of calendars. How does each calendar help in different cases?
10. Write a note on the online scheduling applications.

### PART B

*(Answer one full question from each module, each question carries 6 marks)*

#### MODULE I

11. Elaborate the term "Software as a Service" related to cloud computing. (6)

**OR**

12. Explain the different cloud models. (6)

#### MODULE II

13. Explain the details about legal and regulatory issues in cloud environment. (6)

**OR**

14. Define Ajax. Mention the various technologies that have been used in Ajax. (6)

**MODULE III**

15. Explain testing as a service. (6)

**OR**

16. a) Explain “platform as a service” and mention its characteristics. (4)

b) List out the advantages of cloud services. (2)

**MODULE IV**

17. a) Elaborate virtualization architecture with help of a diagram. (4)

b) What is the economic reason for virtualization? (2)

**OR**

18. a) What are virtual machines? (2)

b) Explain the different types of virtual machines with example. (4)

**MODULE V**

19. a) Describe collaborating on project management. (3)

b) Explain the different applications of project management. (3)

**OR**

20. Elaborate Amazon Web Service. (6)

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