

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FIRST SEMESTER M.TECH DEGREE EXAMINATION (Regular), DECEMBER 2022**COMPUTER SCIENCE AND SYSTEMS ENGINEERING****(2021 Scheme)****Course Code: 21SE103****Course Name: Distributed Systems and Advanced Computing****Max. Marks: 60****Duration: 3 Hours****PART A*****(Answer all questions. Each question carries 3 marks)***

1. Define RMI with the help of a diagram.
2. Write short note on Block caching in HDFS.
3. Write notes on data node and name node.
4. Define Cloud Computing and mention its characteristics.
5. What is Open stack platform?
6. Elucidate Devstack.
7. What is Glance image store?
8. Describe Object Storage.

PART B***(Answer one full question from each module, each question carries 6 marks)*****MODULE I**

9. Summarize Distributed Pervasive Systems (6)

OR

10. Elucidate client centric consistency models. (6)

MODULE II

11. Explain the working of HDFS (6)

OR

12. Describe Hadoop Eco System with help of a neat diagram (6)

MODULE III

13. With the help of a MapReduce program explain the working of Map and Reduce phases. (6)

OR

14. Describe the components of Hadoop. (6)

MODULE IV

15. Explain NLine file format and Sequence file format. (6)

OR

16. Describe Cloud computing architecture with the help of a neat diagram. (6)

MODULE V

17. Write notes on Software as a Service. (6)

OR

18. Write notes on Platform as a Service. (6)

MODULE VI

19. Describe the components of SWIFT object storage. (6)

OR

20. Explain Keystone architecture in detail. (6)
