THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

COMPUTER SCIENCE

FCSS3E01-VIRTUALISATION AND CLOUD COMPUTING

Time: 3 Hours   **Maximum Weightage: 30**

Section A: Short answer questions. *All* **questions can be answered. Each carries** *two* **weightage (Ceiling 6 weightage).**

1. What is cloud computing?
2. What is public cloud?
3. What is EUCALYPTUS?
4. What is desktop virtualization?
5. What is LXC?
6. Write a short note on parallel and distributed paradigms.
7. Write a short note on virtual machine security.

Section B: Short essay questions. *All* **questions can be answered. Each carries** *four* **weightage (Ceiling 12 weightage).**

8. Explain the advantages of cloud computing.
9. Explain types of cloud computing.
10. What is open stack? List its features.
11. Write a note on Linux KVM.
12. Explain HDFS.
13. How data security in cloud computing is implemented?
14. Explain XEN.

Section C: Essay questions. *All* **questions can be answered. Each carries** *six* **weightage (Ceiling 12 weightage).**

15. Write detailed notes on various cloud service models.
16. What is Virtualization? Explain various tools and mechanisms in virtulization.
17. Explain Apache Hadoop Framework.
18. Give a detailed account on cloud security challenges.