



QP CODE: 26019616



26019616

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc Computer Science (Data Analytics)

ELECTIVE - CA870401 - INTERNET OF THINGS AND DATA MANAGEMENT

2020 Admission Onwards

C55D690F

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is Big data analysis?
2. What are the different IoT communication protocols?
3. What is Continuous logic processing?
4. Define drift.
5. Define Cloud computing.
6. Define Caching and Preprocessing.
7. Write a short note on nesC.
8. Write a short note on CoAP.
9. List out governance issues in IoT.
10. Write down the application of IOT.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Briefly explain functional blocks of IoT.
12. Explain SOA based Architecture.
13. Why we need of Stream processing in IoT?
14. How would you elaborate on distributed data analytics in IoT?





15. Discuss context-aware proactive suggestion.
16. What is XEN ARM virtualization? Discuss.
17. Briefly explain layered model for IoT with the help of a neat diagram.
18. Write a short note on security and privacy in IoT.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Discuss various IoT levels.
20. Explain in detail the characteristics of stream data in IoT.
21. Explain the open IoT architecture for IoT /Cloud collaboration with a neat diagram.
22. Explain Sensors and gateway in detail.

(2×5=10 weightage)

