



QP CODE: 24018589



Reg No :

Name :

M Sc DEGREE (CSS) EXAMINATION, APRIL 2024

Fourth Semester

M Sc COMPUTER SCIENCE (DATA ANALYTICS)

Elective - CA870401 - INTERNET OF THINGS AND DATA MANAGEMENT

2020 ADMISSION ONWARDS

5AE7D8D5

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is web socket?
2. List out various protocol used in Application layer.
3. Define Batch processing.
4. Define DataStream Management.
5. Name any four life cycle management services supported by Scheduler.
6. What is Semantic QA Cache.
7. What is RPC ?
8. Write a short note on nesC?
9. List out governance issues in IoT.
10. What is INSTEON?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. What is the role of Big Data in Internet of Things?
12. Discuss the application of IoT in business processes and data analytics.
13. Explain Local data modelling.
14. Write short note on Anomaly detection techniques in distributed data analytics.





15. Write a note on Cloud computing.
16. Explain Remote procedural calls.
17. Briefly explain operating systems and software in IoT with examples.
18. What are the features used to select the gateway hardware?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. What are different business and research opportunities for IoT? Discuss.
20. How would you elaborate on the challenges in stream processing?
21. Discuss the benefits of Fog Computing. How would you elaborate on Fog computing applications in different domains?
22. Discuss different use case scenario on software diversification and obfuscation.

(2×5=10 weightage)

