

APRIL 2023

57709/CS42B

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer any TEN questions.

1. Define the term — IoT.
2. What are the Internet Layers?
3. Define the term — Sensor network.
4. What is Web of Things?
5. Mention any two issues in IoT Standardization.
6. Define the term — Business Intelligence.
7. What is Mobile Cloud computing?
8. Define the term — Cloud of Things.
9. What is Cost benefit sharing in RFID and IoT?
10. What are Population models in Network dynamics?

11. What is Clustering in Resource management of IoT?

12. Define the term — Software agents.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Describe about the four Pillars of IoT.

14. Explain the DNA of IoT.

15. Discuss on M2M and WSN Protocols in IoT protocol standardization efforts.

16. Describe about the Cloud Middleware.

17. Explain the Cloud of Things architecture.

18. Discuss on Business models for IoT.

19. Describe about Electrical Vehicle charging application.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions.

20. Discuss on Ubiquitous IoT Applications in detail.

21. Explain the Communication middleware for IoT.

22. Describe about the Unified data standards and Unified identification of Objects.
 23. Discuss on Platform middleware for WoT.
 24. Explain the cost of RFID and the Internet of Things, and their benefits.
 25. Describe about Smart Grid application.
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