B.C.A. DEGREE EXAMINATION,APRIL 2020
II Year III Semester
Internet of Things

Time : 3 Hours   **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. What is the role of Things and Internet in IOT?
2. What is M2M?
3. What are the IOT enabling Technologies?
4. What constitutes IoT platforms?
5. Why IoT references architecture is required so?
6. Write the salient features of M2M protocols?
7. Define Consolidation Gateway.
8. Mention the technical challenges for IoT.
9. Give a note on IoT Data Management.
10. What do you mean by state of the art?
11. Write a note on Iot reference model suggested by CISCO.
12. What is ZigBee?

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Distinguish between web of Things and Internet of Things.
14. Explain M2M value chain in IoT.
15. Explain the main design principles of IoT.
16. What are the difference business and research opportunities for IoT?
17. Explain building block of IoT.
18. Write in detail about the applications of IoT.
19. Explain different characteristics of IoT.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. How domain specific IoT system are developed and managed? Illustrate specific cases.

21. Explain the international driven global value chain and global information monopolies.

22. Describe in detail about IoT architecture with neat diagram and list out its standard considerations.

23. What is identity management in IoT? Explain any two identity management techniques of IoT in detail.

24. Explain Reference Model with its neat architecture.

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