CBCS SCHEME

18MCA542

USN | | | | | | | | | |

Fifth Semester MCA Degree Examination, Feb./Mar. 2022
Internet of Things

Time: 3 hrs.   Max. Marks: 100

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1   a. Define IoT. Explain typical M2M solution.   (10 Marks)
    b. Comparison of main characteristics of M2M and IoT with example.   (10 Marks)

OR

2   a. Explain implications for IoT with example.   (10 Marks)
    b. Describe Game changes with example.   (10 Marks)

Module-2

3   a. Explain IoT value chains, with example.   (10 Marks)
    b. Explain M2M value chains with example.   (10 Marks)

OR

4   a. With a neat diagram, explain IoT architecture outline.   (10 Marks)
    b. Explain emerging industrial structure for IoT.   (10 Marks)

Module-3

5   a. Explain local and wide area networking with example.   (10 Marks)
    b. Explain Basic and Advanced device types along with Gateways.   (10 Marks)

OR

6   a. Explain everything as a service (XaaS)   (10 Marks)
    b. Explain Business process in IoT with example.   (10 Marks)

Module-4

7   a. Explain IoT reference model with example.   (10 Marks)
    b. Explain operational view with example.   (10 Marks)

OR

8   a. Explain Functional view with example.   (10 Marks)
    b. Explain Information view with example.   (10 Marks)

Module-5

9   a. Explain various levels of SOCRADES integration architecture.   (10 Marks)
    b. Explain service oriented architecture based device integration.   (10 Marks)

OR

10 a. Explain IMC – AESOP cloud based architecture vision for IOT.   (10 Marks)
    b. Explain Data representation and visualization with example.   (10 Marks)

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