1594 **Code : 15CS63F**

Register Number | | | | | | | | | | |

VI Semester Diploma Examination, April/May-2020

INTERNET OF THINGS

Time : 3 Hours | **| Max. Marks : 100**

Instructions : (1) Answer any **six** full questions from Part – **A**. Each carries **5** marks.
(2) Answer any **seven** full questions from Part – **B**. Each carries **10** marks.

PART – A

1. Describe the characteristics of IoT. **5**

2. Explain IoT functional block with neat diagram. **5**

3. Explain the exclusive pair IoT communication model with a neat diagram. **5**

4. Explain smart parking and smart lighting. **5**

5. Describe smart irrigation and green house control. **5**

6. How do data collection and analysis approaches differ in M2M and IoT ? **5**

7. Explain the purpose and requirements specification of IoT design. **5**

8. List and explain Raspberry Pi Interfaces. **5**

9. Explain the ideal ethics for IoT. **5**

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PART – B

10. Discuss any five application layer IoT protocols. 10

11. Explain the components of IoT. 10

12. Explain applications of IoT for retail. 10

13. Describe applications of IoT for Homes. 10

14. Explain the differences between M2M and IoT. 10

15. Explain domain model of the home automation IoT system. 10

16. Explain the operational view specification with an example. 10

17. Describe the basic building blocks of an IoT device with a neat diagram. 10

18. Explain in brief the various components and peripherals of Raspberry Pi Board. 10

19. Describe Crowd sourcing with an example. 10