



QP CODE: 24800011



Reg No : .....

Name : .....

**MCA DEGREE EXAMINATIONS, DECEMBER 2023**

**Third Semester**

Master of Computer Application

**Elective - MCA304ET4 - INTERNET OF THINGS ( IOT)**

2020 Admission Onwards

568D9D8F

Time: 3 Hours

Maximum: 75 Marks

**Part A**

*Answer any **ten** questions*

*Each question carries **3** marks*

1. Explain IOT Functional Blocks
2. Explain Push pull Communication Model with Diagram
3. Explain request response model used by REST
4. Explain IOT Application In Environment
5. List Down the protocols used in Link Layer
6. Define WSN
7. List Down The Applications Of WSN
8. List down the limitation of Modbus
9. Define the time synchronized protocols for neighbor discovery
10. Define Data Aggregation
11. Explain pinmode function
12. State the benefits of IOT in industries

(10×3=30 marks)





## Part B

Answer *all* questions

Each question carries **9** marks

13. a) Discuss the functional block of IOT With Diagram

OR

b) Discuss IOT system Components

14. a) Explain Link Layer In Detail

OR

b) List Down the differences and similarities between M2M and IOT

15. a) Explain SCADA in Detail

OR

b) Discuss LowPAN

16. a) Explain Raspberry PI in detail

OR

b) Explain various methods for neighbor discovery for IOT scenarios

17. a) Explain about implementation of IOT

OR

b) Explain about IOT application requirements and capabilities

(5×9=45 marks)

