Total No. of Questions : 8]　　　　*[Total No. of Printed Pages : 2*

Roll No ....

CS-6005(1)-CBGS

B.E. VI Semester

Examination, June 2020

Choice Based Grading System (CBGS)
Internet of Things

Time : Three Hours

Maximum Marks : 70

Note:　i)　Attempt any five questions.

　　　　ii)　All questions carry equal marks.

1.　a)　Discuss the conceptual framework and characteristic of IOT.

　　b)　What are components required to design IOT device and which device we called IOT device? Explain with example.

2.　What do you mean by data storage and Cloud Based Services in IOT?

3.　a)　Explain with example of MQTT protocol. What is role of MQTT protocol in IOT?

　　b)　Explain in detail IP addressing in IOT.

4.　Explain the following term:

　　i)　Media Access Control

　　ii)　Web Sockets

　　iii)　Application of IOT

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5. a) Explain Actuator and Sensor with respect to IOT.

    b) Explain and give a example to define Radio Frequency Identification.

6. Draw the architecture of Arduino. Write the some area where Arduino device used.

7. a) Explain IOT Privacy and Security Solutions.

    b) What do you mean by wireless sensor Network Technology?

8. Write a Short Notes:
    i)   Industrial IOT
    ii)   SoAP
    iii) Logical design of IOT
    iv)   Web Connectivity

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