Roll No.

BCA (Data Science & Artificial Intelligence)

First Sessional Tests 2024-25

Fourth Semester

BCADSN14222: IoT & Technology

Time: 60 Minutes

Max. Marks: 30

(Section A)

(5 X 1 = 5)

Q.1: Attempt all Questions:

a. Define Sensors and its types?
b. Write down any two challenges in IoT?
c. What do you mean by M2M?
d. What do you mean by Networking?
e. Draw Functional block diagram of IoT .

(Section B)

(2 X 7.5 = 15)

Q2. Attempt any Two:

a. Discuss the evolution of IoT in detail?
b. Explain various trends in Information and communication technologies and its impact on IoT.
c. Compare and contrast between IoT and M2M?
d. List and explain various technologies used behind IoT.

(Section C)

(10 X 1 = 10)

Q3. Attempt any ONE:

d. Define Layered Architecture of Internet of Things IoT. What are the pros and cons of IoT?

e. Write short note on :

i. RFID ii. IDE iii. Actuators

a. Explain the classification of Actuators and sensors. Compare and contrast between digital and analog sensors.