Adikavi Nannaya University : Rajahmundry
MCA IV Semester
MCA-19405 Elective-I: 2. Internet Of Things
Model Question Paper

Time: 3 Hours   Max. Marks: 75

SECTION-A (4 X 15 = 60 M)
Answer ALL Questions

1.   a) What is the IoT? Explain Design guidelines for IoT   (15M)

Or

b) Explain in detail application of Internet of Things in Smart Cities   (15M)

2.   a) Explain M2M. Distinguish between IoT and M2M   (8M)

b) Explain SDN and NFV for IoT   (7M)

Or

c) Explain IoT System Management with NETCONF-YANG   (8M)

d) Explain limitations of SNMP   (7M)

3.   a) Explain Design Methodology for IoT   (15M)

Or

b) Explain Logical Design of IoT suing Python. Explain various python packages used for IoT   (15M)

4.   a) What is Raspberry Pi. Explain Raspberry Pi Board and various interfaces in Raspberry pi.   (15M)

Or

b) What is Cloud? Explain various Cloud Storage Models using in IoT   (15M)

Section-B (5 X 3 =15 Marks)

5.   **Write a Short Note on any FIVE of the following**

a) Explain Wireless Sensor Networks

b) Explain IoT in Environment

c) Explain Need for IoT Systems Management

d) Explain NETOPEER

e) Explain various data types used in Python

f) Explain basic building blocks of IoT Device

g) Explain Amazon Web Services for IoT

h) Explain Django Architecture.