Time allowed: 3 Hours

Max. Marks: 50

NOTE: *Attempt <u>five</u> questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

x-x-x

I. Define the following:-

    a) Hypervisor

    b) AWS

    c) Public Cloud

    d) YANG

    e) M2M

                                                                (5x2)

UNIT - I

II. Differentiate between traditional computing and distributing computing. How is these helpful in the evolution of cloud computing? Also, explain the main characteristics of cloud computing. (10)

III. a) What is virtualization? Discuss, its importance in Cloud Computing. Discuss the machine reference model with respect to different types of hypervisiors.

    b) Explain the different service models of Cloud with examples. (6+4)

IV. Write short note on any two of the following:-

    a) Private Cloud building block

    b) Conceptual architecture of Openstack

    c) Virtual Machine life cycle (2x5)

UNIT - II

V. How is centralized network controller in SON works? Describe how SDN can be used for various level of IoT. (7+3)

P.T.O.

VI.   With respect to communication protocols, what are the main pillars of IoT? Discuss in detail.   (10)

VII.   Write short notes on any two of the following:-

a) Protocol Standardization of IoT

b) ZigBee

c) WSN Protocols   (2x5)

x-x-x