

Exam.Code:1007
Sub. Code: 35093

2125
M. E. (Information Technology)
Third Semester
MEIT-3201: Cloud Computing & IOT

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Part.

x-x-x

I	a) Briefly compare any two cloud deployment models. b) What do you understand by Push-Pull model? Discuss in brief. c) What is SNMP? What is its use? Discuss in brief. d) What is SCADA? Discuss in brief. e) How is Raspberry Pi different from Arduino? Discuss in brief.	(02) (02) (02) (02) (02)
PART I		
II	a) Compare the Cloud service models: IaaS, PaaS, and SaaS with suitable examples. b) Discuss the important features of CloudStack / OpenStack / any other similar software.	(05) (05)
III	a) What is virtualization? Explain its major types and role in enabling cloud computing environments. b) Discuss the key characteristics that distinguish IoT systems from traditional Internet-based systems.	(05) (05)
IV	a) How do you implementing a public cloud? Discuss in detail. b) What are the various levels of IoT systems? Discuss the characteristics of any two IoT levels.	(05) (05)
PART II		
V	a) Compare IoT and M2M. b) What is Zigbee? Discuss its features, advantages and disadvantages.	(05) (05)
VI	a) Discuss the role of NETCONF-YANG in IoT. b) How Raspberry Pi can be used to build an IoT system? Discuss with a suitable example.	(04) (06)
VII	Write notes on the following: a) IoT in Healthcare b) Vehicular IoT	(05) (05)

x-x-x