T6532 / T50008 ELECTIVE I : INTERNET OF THINGS

ME CHIES Sem II TOT May 2017

(Choice based)

Q. P. Code: 09941

(3 hours) [80 Marks] N.B.: Question No.1 is compulsory. 2. Attempt any Three questions out of remaining Five questions. Figures to the right indicate full marks. 4. Assume any suitable data wherever required but justify the same. Write a note to give abstract view of Internet of Things. Q.1a) Explain in short steps involved in Prototype design of IoT. b) Write a note on Arduino Programming for IoT c) Write a short note on Business Processes in IOT. 5 . d) Write a detail note on RFID sensors and its use in IoT applications. Q.2a) 10 Explain Raspberry Pi and Programming for IoT application with example. b) 10 Q.3Explain Wireless Sensor Network in IoT paradigm. 10 a) Explain in detail IP addressing protocol MQTT. b) 10 Write a note on importance of networking protocol LoWIPv6 in IoT context. a) Q.4 10 Write a note on the concept of Cloud of Things. b) 10 Explain importance of data analytics using different platforms to develop Q.5 a) 10 smart objects. Write a detail note on secured communication in IoT applications for data b) 10 transfer and its importance. Q.6 Write a detail note on (any two) 20 Smart homes and IoT technologies. a) Industrial IoT (HoT). b) Composition Models for Web of Things. c)