PB219

[6269]-445

T.E. (Computer Engineering) (Honors) (Insem)
INTERNET OF THINGS ARCHITECTURES, PROTOCOLS AND SYSTEMS PROGRAMMING
(2019 Pattern) (Semester - II) (310603)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates:
1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Assume suitable data if necessary.*
4) *Use of Non-Programmable scientific Calculators is allowed.*

Q1) a) Explain term IoT and its characteristics. **[7]**

b) What are the roles of cloud services in IoT development? Explain any two cloud services in detail. **[8]**

OR

Q2) a) Explain applications of IoT in various domain. **[8]**

b) Explain RFID and its application in detail. **[7]**

Q3) a) Explain COAP protocol in detail. **[7]**

b) Write a short note on Z-Wave communication technology. **[8]**

OR

Q4) a) Differentiate between IPv4 and IPv6. How IPv6 is more suitable for IoT implementation. **[8]**

b) Show with suitable reasons why Zigbee is popular than Wi-Fi and Bluetooth in IoT. **[7]**

✱ ✱ ✱