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SEAT No. :

P5291

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B.E. (Robotics & Automation) (Insem)

**INTERNET OF THINGS AND MACHINE LEARNING
(2019 Pattern) (Semester - VII) (Elective - IV) (411504 B)**

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) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data, if necessary.*
- 5) *Use of Scientific Calculator is permitted.*

Q1) a) Describe an example of an IoT system in which information and knowledge are inferred from data. [8]

b) What is the role of things and Internet in IoT? [7]

OR

Q2) a) What is the difference between wired and wireless communication? [8]

b) What is the function of communication functional block in an IoT system? [7]

Q3) a) What is a Wireless Access Point in wireless LAN? [8]

b) What does Target Wake Time do? [7]

OR

Q4) a) What are the design considerations for MAC Protocols of UIoT. [8]

b) Explain Hyper Text Transfer Protocol (HTTP) of IoT Data Communication Protocols. [7]

