SEAT No. :

P-5144

[6187]-554

T.E. (Computer Engineering) (Honors) (Insem.)
EMBEDDED SYSTEMS AND INTERNET OF THINGS
(2019 Pattern) (Semester - I) (310601)

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 types of SOC's with architecture. **[8]**

    b) Explain different types of embedded system with suitable example. **[7]**

OR

Q2) a) Explain architecture and characteristics of embedded system in detail.
[8]

    b) Explain hardware components of embedded system. **[7]**

Q3) a) Explain Raspberry pi components in detail. **[8]**

    b) Explain real time operating system in detail. **[7]**

OR

Q4) a) Explain various type of scheduling algorithm of real time operating system.
[8]

    b) Describe role of IoT for Smart Cities development. **[7]**

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