SEAT No. :

PC-351

[6361]-95R

B.E. (Electronics & Telecommunication) (Insem.)
MODERNIZED IoT

(2019 Pattern) (Semester - VII) (404184 - E) (Elective - III)

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 indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) What is Internet of Things? List any four applications of IoT. **[4]**

b) Explain in detail Physical Design of an IoT. **[6]**

c) Differentiate between REST-based communication APIs and Web Socket-based communication APIs. **[5]**

OR

Q2) a) Explain Request- Response and Exclusive pair communication model in detail. **[8]**

b) What are the Four Pillars of IoT? Explain. **[7]**

Q3) a) How is IoT transforming businesses? **[4]**

b) Explain in detail an IoT architecture. **[6]**

c) Explain in brief, Standards considerations for M2M and IoT. **[5]**

OR

Q4) a) Write a note on i) Platform as a Service (PaaS) ii) Infrastructure as a Service (IaaS). **[8]**

b) Draw and explain each functional layers and capabilities of an IoT solution. **[7]**

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