

Total No. of Questions : 4]

SEAT No. :

PC-351

[Total No. of Page : 1

[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]

