



# Sanjay Ghodawat University, Kolhapur

2018-19

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY M Tech

School of Technology

Semester I

CCC 503

School of Technology | Department of CSE – I

Max Marks: 100

Internet of Things

Dec 2018

End Semester Examination (ESE)

Time: 3 Hrs

Wednesday - 19/12/2018

10 to 1 PM.

## Instructions for Students:

1. All questions are compulsory.
  2. Figures to the right indicate full marks.
- Draw neat diagrams with pencil wherever necessary

## Sample Format of Question Paper

Q1	Solve any Two	Marks	Bloom's Level	COs
a)	Discuss RFID System components with Block Diagram	09	5	CO503.1
b)	Discuss Satellite IOT and use of different orbits in satellite communication	09	6	CO503.1
c)	Discuss is meant by Device: things that talk	09	6	CO503.3
Q2	a) Discuss in details any 2 pillar of M2M	04	6	CO503.1
	b) Classify sensors and its applications	12	6	CO503.3
	OR			
	b) Elaborate Pinout Diagram of Arduino Uno	12	3	CO503.3
Q3	a) Explain in brief the architecture of Wireless sensor Network	04	3	CO503.4
	b) Analyze the protocol standardization efforts	12	4	CO503.4
Q4	Solve any Two	Marks	Bloom's Level	COs
a)	Elaborate efforts of middle ware architecture of RFID with neat Block diagram	09	3	CO503.4
b)	Describe Two pillars of WOT	09	5	CO503.4
c)	Explain the open geospatial Consortium(OGC) framework for WSN with figure	09	3	CO503.3

work for WSN with figure

**Q5**

- |              |                                                  |    |   |         |
|--------------|--------------------------------------------------|----|---|---------|
| a)           | Compares MAI versus XaaS                         | 06 | 5 | CO503.3 |
| b)           | Explain OPC Standard for Device Connection<br>OR | 10 | 3 | CO503.3 |
| b)           | Explain mobile cloud computing                   | 10 | 3 | CO503.4 |
| <b>Q6</b> a) | Discuss features of Grid briefly                 | 04 | 6 | CO503.3 |
| b)           | Elaborate the Cloud of things Architecture       | 12 | 6 | CO503.5 |

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