

RP/IPRC TUMBA

REG.NO.....

DEPT: ETT

MODULE: Internet of Things

Date: 10th Jun, 021

CAT 1

Duration: 1h

SECTION I: Compulsory

/20marks

1) What does IoT stand for? The full form for IoT is “Internet of Things”

/2marks

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2) What are the challenges that we should be aware of when it comes to the Internet of Things
/2marks

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3) With an example show how to sort a numerical list in Python?

/4marks

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4) Could we have an IoT system without a internet? Justify your answer?

/2marks

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5) Provide at least two IoT communication protocols that can be in application layer of IoT architecture?

/2marks

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6) List functional components of a general IoT architecture? **/4marks**

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7) What is the difference between IoT fog computing and edge computing? **/2marks**

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8) What would be the output if I run the following code block? **/2Marks**

```
list1 = [2, 33, 222, 14, 25]  
print(list1[-2])
```

- 1. 14
- 2. 33
- 3. 25
- 4. Error

SECTION TWO : Attempt only one questions of your choice **/10marks**

- 1) Write a python program to read 100 numbers from a standard input keyboard and print only the odd numbers in and the sum of even numbers. **/10marks**
- 2) With the help of block diagram shows how the Internet of Things (IoT) can be applied in the Agriculture Sector? The weights will be given to the components to be used, system architecture and its functionality **/10 marks**
- 3) Explain the functional components of the three layers IoT architecture? **/ 10 marks**

Answer:

GOOD LUCK!!!!!!!!!!!!!!!!!!!!!!