

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE**

**Regular End Semester Examination – Summer 2022**

**Course: B. Tech.**

**Branch : Electronics Engineering**

**Semester : VIII**

**Subject Code & Name: BTETPE801A Introduction To Internet Of Things**

**Date: 04/07/2022**

**Max Marks: 60**

**Duration: 3.45 Hr.**

**Instructions to the Students:**

1. All Questions are Compulsory
2. Draw neat diagram wherever necessary.
3. Figures to right indicates full marks
4. Assume suitable data wherever necessary and mention it clearly

	(Level/CO)	Marks
<b>Q. 1 Solve Any Two of the following.</b>		
A) With the help of a block diagram write a short note on what is Internet of Things.		06
B) Enlist the characteristics and Advantages of Internet of Things and explain in brief.		06
C) What are the enabling technologies of IOT[ Internet of Things]		06
<b>Q.2 Solve Any Two of the following.</b>		
A) What is cloud computing and what are types of clouds?		06
B) Write a short note on Actuators in IOT [Internet of Things].		06
C) Explain Machine to Machine [M2M] communication in IOT [Internet of Things] with the help of requirements and features		06
<b>Q. 3 Solve Any Two of the following.</b>		
A) With the help of a neat diagram explain Software Defined Networks.		06
B) Write a short note on Fog Computing		06
C) Explain the Sensor Network architecture in brief.		06
<b>Q.4 Solve Any Two of the following.</b>		
A) What is 6 LOWPAN protocol?		06
B) Write a short note on Industrial IOT [Internet of Things]		06
C) Explain the 6 important IOT [ internet of Things] communication protocols in short		06
<b>Q. 5 Solve Any Two of the following.</b>		
A) Considering the features and benefits , write a short note on Smart Cities using IOT [Internet of Things]		06
B) Write a short note on IOT [Internet of Things] in Healthcare		06
C) What is smart Agriculture using IOT [Internet of Things]?		06

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