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SNS College of Technology, Coimbatore-35.

(Autonomous)

B.E/B.Tech- Internal Assessment - I

Academic Year 2024-2025 (ODD)

Fifth Semester

19ITT302 &amp; INTERNET OF THINGS

[Common to CSE &amp; IT]

B

Time: 1<sup>1/2</sup> Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO's	BLOOMS LEVEL
1.	Define IoT. What does "Things" in IOT means		CO1	Und
2.	What is difference between IPV6 & IPV4		CO1	Ana
3.	Key Components of IOT		CO1	Ana
4.	Key Components of IOT		CO2	Ana
5.	List out any 5 IoT services in Smart Home.		CO2	Rem
<b>PART - B (13+13+14=40 Marks)</b>				
6.	a) How to deploy IoT Ecosystem with various IoT levels. Explain it with the IoT components. IOT LEVELS &	(13)	CO1	Und
	(or)			
	b) IPV6 Characteristics and Desired Quality of any IoT Application	(13)	CO1	Und
7.	a) Explain in detail about Structural aspects of IoT with suitable example.	(13)	CO2	Und
	(or)			
	b) Elaborate on the following i) Object ID(RFID, EPC) ii) Communication ID and LISP Protocol	(7) (6)	CO2	Und
8.	As mobile technology advanced with time, Volvo Cars began to innovate exciting new ways of connecting owners with their cars. Explore how Volvo Cars provide world-class connected car experiences with IoT features.	(14)	CO1	Ana
	(or)			
	Build an IoT system by introducing automatic voice command based home automation that can control various household appliances as well as some other tasks that constitute the home automation system.	(14)	CO1	Ana

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**Rem-Remembering**  
**App- Apply**

**Und- Understanding**  
**Cre-Creating**

**Ana- Analyzing**  
**Eva-Evaluating**