Name: **Enrolment No:**	

UPES
End Semester Examination, December 2023

Course: B.Tech (CSE-H+NH)-All Spec. **Semester: 7th**
Program: IoT Enterprise Solution Architecture **Time: 03 hrs.**
Course Code: CSIS4009P **Max. Marks: 100**

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q1.	Describe the significance of sensors in the Internet of Things (IoT).	**4**	**CO2**
Q2.	Define the Internet of Things and explain its various applications.	**4**	**CO5**
Q3.	Write a short note on a. Wi-Fi b. Wi-Fi direct	**4**	**CO1**
Q4.	Describe the role of cloud computing in IoT applications.	**4**	**CO4**
Q5.	Explain the function of 6LoWPAN technology in the context of IoT.	**4**	**CO3**

SECTION B
(4Qx10M= 40 Marks)

Q1.	Analyze the use of the smart grid in today's scenario.	**10**	**CO2**
Q2.	Explain the architecture of an IoT gateway and its role in an IoT system.	**10**	**CO3**
Q3.	Describe the concept of fog computing and its role in managing IoT data.	**10**	**CO4**
Q4.	Explain various IoT communication protocols. Or Examine the aspects of data security and privacy within the Internet of Things (IoT) context.	**10**	**CO1**

SECTION-C (2Qx20M=40 Marks)			
Q1.	Analyze the use of computer vision technology in terms of autonomous vehicles.	**20**	**CO1**
Q2.	Define cloud computing and discuss the different cloud deployment models and delivery models. Or Explain the following: a. Grid Computing b. Predictive Analytics c. Autonomous decision making d. Smart building	**20**	**CO4**

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