

Reg.No.:

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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]
Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Question Paper Code: 50040

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – JAN. 2026

Sixth Semester

Computer Science and Engineering

U19CS627 – INTERNET OF THINGS

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

Knowledge Levels (KL)	K1 – Remembering	K3 – Applying	K5 - Evaluating
	K2 – Understanding	K4 – Analyzing	K6 - Creating

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Give the classical definition of IOT and describe Actuators.	2	K1	CO1
2.	Differentiate between M2M and IoT.	2	K2	CO1
3.	List out major objectives of high level ETSI architecture.	2	K1	CO2
4.	Define Functional Group(FG) and list out different FGs.	2	K1	CO2
5.	Why do we need a SCADA protocol?	2	K2	CO3
6.	Discuss each command types in command frame of IEEE 802.15.4 device.	2	K2	CO3
7.	How to run Raspberry Pi in Ad-Hoc OR distributed mode?	2	K2	CO4
8.	Write the building blocks of Raspberry Pi.	2	K1	CO4
9.	Mention two major security concerns in IoT.	2	K2	CO5
10.	Enlist the importance of data visualization in IoT.	2	K2	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11. a)	Describe the various functional blocks of IoT and explain the communication APIs of IoT.	13	K2	CO1

