R22

Model Question Paper
ANURAG Engineering College
(An Autonomous Institution)
III B.Tech. II Semester Regular Examinations, June -2025
FUNDAMENTALS OF INTERNET OF THINGS
CSE(AI&ML)

Time: 3 Hours   **Max.Marks:60**

Section – A (Short Answer type questions)		(10 Marks)		
Answer All Questions		**Course Outcome**	**B.T Level**	**Marks**
1.	What is IOT?	CO1	L1	1M
2.	What is sensor?	CO1	L1	1M
3.	Define Arduino?	CO2	L1	1M
4.	What is Interoperability of Iot?	CO2	L1	1M
5.	What is Raspberry pi?	CO3	L1	1M
6.	List Raspberry pi Interfaces.	CO3	L1	1M
7.	What is Software Defined Networking?	CO4	L1	1M
8.	List Advantages and disadvantages of SDN.	CO4	L1	1M
9.	Listout the Advantages of a Smart Cities.	CO5	L1	1M
10.	What is Smart Grid.	CO5	L1	1M
Section – B (Essay Questions)				
Answer all questions, each question carries equal marks.		**(5 X10M = 50M)**		
11.	Explain Characteristics of Iot.	CO1	L2	10M
	OR			
12.	Explain Physical design of Iot.	CO1	L2	10M
13.	Explain the differences between Iot and M2M.	CO2	L2	10M
	OR			
14.	Explain Arduino programming.	CO2	L2	10M
15.	Explain Functional blocks of Raspberry pi.	CO3	L2	10M
	OR			
16.	Explain Interfacing Raspberry pi with basic peripherals.	CO3	L2	10M
17.	Why Software Defined Network is important? Explain in detail.	CO4	L2	10M
	OR			
18.	Explain Architecture of SDN.	CO4	L3	10M
19.	Explain Possible Iot use for Smart Cities.	CO5	L3	10M
	OR			
20.	Explain the challenges for Smart city and Smart home.	CO5	L2	10M