Question Paper Code: CS632PE

R22

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

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 are the key characteristics of IoT	CO1	L1	1M
2.	What are the different levels of IoT deployment	CO1	L2	1M
3.	How do SDN and NFV enhance IoT systems?	CO2	L1	1M
4.	What is M2M, and how does it relate to IoT?	CO2	L2	1M
5.	List the key data types available in Python.	CO3	L1	1M
6.	Why is exception handling important in Python programming?	CO3	L2	1M
7.	How does Django help in IoT-based web applications?	CO4	L1	1M
8.	What are the main features of Raspberry Pi for IoT applications?	CO4	L2	1M
9.	How is IoT applied in home automation?	CO5	L1	1M
10.	Explain the use of IoT in precision agriculture	CO5	L2	1M
Section – B (Essay Questions)				
Answer all questions, each question carries equal marks.				**(5 X10M = 50M)**
11.	Explain the logical design of IoT in detail	CO1	L3	10M
	OR			
12.	How can IoT be implemented in different domains such as healthcare and agriculture? Give examples	CO1	L1	10M
13.	Describe how NETCONF and YANG are used for IoT system management with a real-time example.	CO2	L3	10M
	OR			
14.	Compare the advantages and disadvantages of using SNMP for IoT system management	CO2	L2	10M
15.	Develop a basic Python script to demonstrate IoT data collection using file handling and data structures.	CO3	L3	10M
	OR			
16.	Illustrate a Python-based IoT solution for monitoring temperature and humidity using appropriate libraries	CO3	L1	10M
17.	Describe how to program a Raspberry Pi using Python to collect and process IoT sensor data.	CO4	L3	10M
	OR			
18.	Compare different cloud storage models for IoT applications and suggest the best option for real-time data processing	CO4	L2	10M
19.	Examine how IoT is transforming environmental monitoring with real-world examples.	CO5	L3	10M
	OR			

20.	Explain smart agriculture IoT-based system for crop monitoring and suggest suitable sensors and technologies.	CO5	L2	10M