



**B.Tech VII Semester Supplementary Examinations, December 2024**

**INTERNET OF THINGS**

**(IT)**

**Maximum Marks: 70**

**Date:10.01.2025**

**Duration: 3 hours**

- Note: 1.This question paper contains two parts A and B.  
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.  
3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.  
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

**Part-A**

All the following questions carry equal marks (10X2M=20) Marks)		CO	Bloom Tx
1	Definition of Internet of Things.	1	L1
2	What is Cloud Computing?	1	L1
3	What is the role of M2M gateway?	2	L1
4	What is the role of NETOPEER server?	2	L1
5	What is the difference between list and tuples?	3	L1
6	How to pass variable length arguments to the function?	3	L1
7	What is the use HDMI output port in Raspberry pi ?	4	L1
8	How to configure Raspberry pi ?	4	L1
9	What are the various relational database supported by Django?	5	L1
10	Defining a model.	5	L1

**Part-B**

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	Explain REST-based Communication APIs. [10M]	1	L2
	OR		
12	Discuss about IoT enabling Technologies. [10M]	1	L2
13	Differentiate between IoT and M2M. [10M]	2	L2
	OR		
14	Discuss about IoT system management with NETCONF-YANG. [10M]	2	L2
15	Explain the module concept in python and write example program. [10M]	3	L2
	OR		
16	Explain the features of Object Oriented Programming in python. [10M]	3	L2
17	Explain about the Raspberry Pi Interfaces. [10M]	4	L2
	OR		
18	Create a python program for switching LED/ light based on reading LDR.	4	L2
19	Describe Web Application Messaging Protocol in detail. [10M]	5	L2
	OR		
20	Demonstrate Django model for weather station. [10M]	5	L2