PRN:		Course Code:	AMT1502

Third Year **B.Tech(AIML)** End Semester Examination
Winter 2022

Internet of Things

Day and Date: Thursday 15/12/22 Max Marks: **100**

Time: 10:30AM to 1:30PM Duration: **03**hrs

Instructions: All questions are compulsory.
Sub question 'a)'is compulsory, Solve any two from the remaining.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Illustrate with neat diagram IoT architecture.	06	L3	CO-1
	b)	Explain IoT and write advantages and disadvantages of IoT.	07	L2	CO1
	c)	Explain in detail about different IoT enabling technologies.	07	L4	CO1
	d)	Describe level 1, level 2 and level 3 of IoT.	07	L1	CO1
Q.2		**Attempt the following**			
	a)	Distinguish between SDN and NFV.	06	L2	CO2
	b)	Define m2m communication with key feature.	07	L1	CO2
	c)	Describe ESTI m2m SCL architecture.	07	L2	CO2
	d)	With neat diagram explain IoT security management system.	07	L3	CO2
Q.3		**Attempt the following**			
	a)	List and describe smart energy management system used in IoT.	06	L1	CO2
	b)	Illustrate the following i)Microprocessor ii) SoC	07	L3	CO2
	c)	List and explain any two in short IoT kits.	07	L2	CO2
	d)	Compare between Arduino and Rrasberry pi.	07	L5	CO2
Q.4		**Attempt the following**			
	a)	Illustrate with example 6LoWPAN protocol stack.	06	L3	CO3
	b)	Difference between RFID and NFC.	07	L2	CO3
	c)	Explain the architecture of BLE with advantages and disadvantages.	07	L4	CO3
	d)	Explain MQTT protocol.	07	L2	CO3
Q.5		**Attempt the following**			
	a)	Summarize the application of cloud computing in IoT.	06	L5	CO4
	b)	Describe the purpose of IoT platform design methodologies.	07	L1	CO4
	c)	Illustrate with neat diagram different IoT devices.	07	L3	CO4
	d)	Illustrate the following IoT application domain i)Health ii) Lifestyle	07	L3	CO4

*****

ESE