PRN:		Course Code :	AMT1502

Third Year **B. Tech AIML** End Semester Examination Winter 2023

Internet of Things

Day and Date: Friday, 01/12/2023 Max Marks: **100**

Time : 10.30am to 1.30 pm 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)	Describe level 4, level 5 and level 6 of IoT.	06	L1	CO1
	b)	Explain IoT and write different characteristics of IoT.	07	L2	CO1
	c)	Explain in detail about different IoT enabling technologies.	07	L4	CO1
	d)	Illustrate different IoT templates.	07	L3	CO1
Q.2		**Attempt the following**			
	a)	Compare between IoT and M2M.	06	L5	CO2
	b)	Define different network operator requirements and NETCONF-YANG.	07	L1	CO2
	c)	Explain SNMP with its advantages and disadvantages.	07	L2	CO2
	d)	Demonstrate ESTI m2m architecture.	07	L3	CO2
Q.3		**Attempt the following**			
	a)	Distinguish between Arduino and Rasberry pi.	06	L2	CO2
	b)	Illustrate the following i)Microcontroller ii) SoC	07	L3	CO2
	c)	Explain the following IoT kit i)Spark ii)Intel Galileo	07	L2	CO2
	d)	List and explain operating system used in IoT.	07	L1	CO2
Q.4		**Attempt the following**			
	a)	Compare between IPv6 and IPv4.	06	L5	CO3
	b)	Illustrate ZigBee, Z-Wave with its advantages and examples.	07	L3	CO3
	c)	Describe the following i)XMPP ii)Web socket	07	L2	CO3
	d)	Explain AMQP protocol.	07	L2	CO3
Q.5		**Attempt the following**			
	a)	Describe physical devices and end points used in IoT.	06	L3	CO4
	b)	Illustrate the following IoT application domain i)Health ii)Industry	07	L4	CO4
	c)	Demonstrate how to apply cloud computing for IoT.	07	L3	CO4
	d)	Explain different platform design methodologies in IoT.	07	L1	CO4

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