Reg.No | | | | | | | |

SNS COLLEGE OF TECHNOLOGY

(Autonomous)

A

MCA- Internal Assessment –II (July 2023)

Academic Year 2022-2023(EVEN) / Second Semester

19CAE725– Internet of Things

Time: 1 1/2 Hours **Maximum Marks: 50**

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO	BL
1		Define Raspberry PI.	CO2	Rem
2		List out the System specifications of IoT.	CO2	Und
3		What are the interfaces in Raspberry?	CO3	Rem
4		Write the example of Tuples in python.	CO3	App
5		Analyze how programming raspberry pi works.	CO3	Ana
		PART - B (2 x 13 = 26 Marks, 1 X 14 = 14 Marks)		
6	(a)	i) What is the use of SPI and I2C interfaces on raspberry pi? ii) Illustrate how to interface a switch to raspberry pi.	CO3	Und
		(Or)		
	(b)	i) What is the use of GPIO pins in a IoT device?. ii)Illustrate how to interface a LED to raspberry pi and write a program to blink.	CO3	Und
7	(a)	Discuss in detail about Raspberry PI with neat sketch.	CO3	Ana
		(Or)		
	(b)	Explain the following with Respect Respberry PI programming 1.Structure 2.Function 3.Variables 4.Flow Control 5. Data type 6. Constant	CO2	Und
8	(a)	Formulate the significant use of Raspberry Pi in Smart cities and Industrial appliances	CO2	App
		(Or)		
	(b)	Analyze how complex is the logical design with Python for an application?	CO3	Ana

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19CAE725– Internet of Things

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8	(a)	Formulate the significant use of Raspberry Pi in Smart cities and Industrial appliances	CO2	App
		(Or)		
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SNS COLLEGE OF TECHNOLOGY

(Autonomous)

B

MCA- Internal Assessment –II (July 2023)

Academic Year 2022-2023(EVEN) / Second Semester

19CAE725– Internet of Things

Time: 1 1/2 Hours **Maximum Marks: 50**

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO	BL
1		Write the basic building blocks of IoT device.	CO2	Rem
2		Justify how a linux OS is useful in IoT.	CO2	Und
3		Classify the Rasberry Pi interfaces.	CO3	Und
4		Analyze the features of Raspberry PI.	CO3	Ana
5		Name the Need For sensors in IoT.	CO3	Rem
		PART - B (2 x 13 = 26 Marks, 1 X 14 = 14 Marks)		
6	(a)	Evaluate the Raspberry Pi board in detail with neat sketch.	CO3	Eva
		(Or)		
	(b)	Analyze how programming raspberry pi works.	CO3	Ana
7	(a)	Explain the following with Respect Respberrypi programming 1.Structure 2.Function 3.Variables 4.Flow Control 5. Data type 6. Constant	CO3	Und
		(Or)		
	(b)	i) Explain the concepts involved in Raspberry Pi. ii) Classify the operating systems used for raspberry pi.	CO2	Und
8	(a)	Examine IoT system management with NETCONF and discuss the design methodology.	CO3	Ana
		(Or)		
	(b)	Analysis Programming Raspberry Pi with Python with examples	CO2	Ana

Reg.No | | | | | | | |

SNS COLLEGE OF TECHNOLOGY

(Autonomous)

B

MCA- Internal Assessment –II (July 2023)

Academic Year 2022-2023(EVEN) / Second Semester

19CAE725– Internet of Things

Time: 1 1/2 Hours Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO	BL
1		Write the basic building blocks of IoT device.	CO2	Rem
2		Justify how a linux OS is useful in IoT.	CO2	Und
3		Classify the Rasberry Pi interfaces	CO3	Und
4		Analyze the features of Raspberry PI.	CO3	Ana
5		Name the Need For sensors in IoT.	CO3	Rem
		PART - B (2 x 13 = 26 Marks, 1 X 14 = 14 Marks)		
6	(a)	Evaluate the Raspberry Pi board in detail with neat sketch.	CO3	Ev
		(Or)		
	(b)	Analyze how programming raspberry pi works.	CO3	Ana
7	(a)	Explain the following with Respect Respberrypi programming 1.Structure 2.Function 3.Variables 4.Flow Control 5. Data type 6. Constant.	CO2	Und
		(Or)		
	(b)	i) Explain the concepts involved in Raspberry Pi. ii) Classify the operating systems used for raspberry pi.	CO2	Und
8	(a)	Examine IoT system management with NETCONF and discuss the design methodology.	CO3	Ana
		(Or)		
	(b)	Illustrate Programming Raspberry Pi with Python with examples	CO2	AN