Roll No. ☐☐☐☐☐☐☐☐☐

(74)

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COER University
END SEMESTER EXAMINATION, EVEN SEM 2022-23

Time   : 3 hours   Total Marks : 100
Program Name : MBA   Semester   : IV
Course Name   : Internet of Things   Course Code : SOC632

Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the time.

Q. No 1	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
		CO 1	1
(a)	List the key features and advantages of IoT.	CO 1	4
(b)	Analyze in detail the Raspberry Pi interfaces.	CO 1	2
(c)	Illustrate six pillars of M2M ?	CO 1	1
(d)	What is the role of Data Processing layer and Application Layer in IoT architecture?	CO 1	3
(e)	Illustrate the basic Arduino Board and its IDE.		

Q. No 2	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
		CO 2	4
(a)	Distinguish between Internet and Web	CO 2	2
(b)	Illustrate the issues related to the lack of standardization in IoT?	CO 2	4
(c)	Analyze the importance of HTTP and Lo Ra WAN networking protocol.	CO 2	2
(d)	Explain BACNet Protocol with neat diagram.	CO 2	3
(e)	Demonstrate the working of RFID technology and its type.		

Q. No 3	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
		CO 3	1
(a)	What are the different components of IoT ecosystem?	CO 3	R
(b)	Draw neat diagram of IOTvity stack architecture.	CO 3	2
(c)	Explain in brief IOTvity resource model ?	CO 3	1
(d)	What are the key features and capabilities of Oracle Integration Cloud, and how do they help organizations simplify their integration and streamline their business processes?		
(e)	Illustrate proxy based deployment model for IOT devices.	CO 3	2

Q. No 4	Attempt Any Two Parts. Each Question Carries 10 Marks.	CO	BL
		CO 4	1
(a)	How does the Web of Things differ from the Internet of Things?	CO 4	2
(b)	With neat diagram explain a unified multi-tiered IoT middleware.	CO 4	4
(c)	Analyze how can WoT technology be used to improve the smart agriculture services?		

Q. No 5	Attempt Any Two Parts. Each Question Carries 10 Marks.	CO	BL
		CO 5	2
(a)	What is the use of clustering in IOT ? Explain the concept and terminologies.	CO 5	3
(b)	How does the Internet of Things increase autonomy in collaborative production environments?		
(c)	What is the importance of resource allocation for IoT?	CO 5	1

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