MAKE-UP EXAM

## BETCK205H/BETCKH205

Second Semester B.E. B.Tech Degree Examination, Nov./Dec. 2023
Introduction to Internet of Things (IoT)

Time: 3 hrs

Max. Marks: 100

BANGALOW Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.

2. M: Marks, L: Bloom's level, C: Course outcomes.

Module – 1	M	L	C
Name the four broad categories of computer network based or reachability	8	L1	CO1
and explain them briefly.			
Differentiate between IoT and M2M.	6	L1	CO1
With a neat diagram, explain the network communication between two	6	L2	CO1
OR			
What is IoT? Write the characteristics of IoT system.	5	L2	CO1
	10	L2	CO1
	5	L2	CO1
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	6	L2	CO2
			CO2
	5	L2	CO3
	- 222		CO
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N. VII.			
	5	L2	CO
	1000	1000	CO
Write short notes on offload locations and offload decision making			CO
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A MANUAL STATE OF THE PROPERTY	8	1.2	CO
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777.1 1: 1 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	8	L2	CO
with a neat diagram, describe the difference between network computing and cloud computing.	U		
Module – 5			
	7	L2	CO
With a next diagram avalain the architecture of vehicular IoT			
With a neat diagram, explain the architecture of vehicular IoT.		-	
. Define machine learning. Explain advantages of machine learning.	6	L1	CO
Define machine learning. Explain advantages of machine learning.  Write a note on advantages to risk of health care IoT.		-	CO
Define machine learning. Explain advantages of machine learning. Write a note on advantages to risk of health care IoT.  OR	7	L1 L1	CO:
Define machine learning. Explain advantages of machine learning.  Write a note on advantages to risk of health care IoT.  OR  Explain for framework for intelligent public safety in vehicular environments (for-FISVER) with a block diagram.	6 7 10	L1 L1	CO
Define machine learning. Explain advantages of machine learning. Write a note on advantages to risk of health care IoT.  OR  Explain for framework for intelligent public safety in vehicular	7	L1 L1	CO:
	What is IoT? Write the characteristics of IoT system.  With neat diagram explain the interdependency technology for IoT planes.  With a neat diagram, explain internet protocol suite.  Module - 2  Outline the basic differences between transducers sensor and actuators.  Explain the types of actuators.  Define sensor and explain the characteristics of sensor.  OR  Compare the common commercially available sensors used for IoT – based applications.  Outline a simple actuation mechanism.  Explain four common characteristics of actuators used for selection.  Module - 3  List and explain common data types in IoT applications.  With a neat diagram, explain offsite processing topology  Write short notes on offloading considerations.  OR  With a neat diagram, explain on-site processing topology  Explain the IoT device design and selection considerations.  Write short notes on offload locations and offload decision making.  Module - 4  Define virtualization. Discuss advantages of virtualization.  Summarize the case study related to smart irrigation management system.  With a help of neat diagrams explain the cloud models.  OR  Explain the architecture of a sensor – cloud platform with a neat diagram.  Explain the features of cloud sim .	OR  What is IoT? Write the characteristics of IoT system.  With neat diagram explain the interdependency technology for IoT planes.  With a neat diagram, explain internet protocol suite.  Module - 2  Outline the basic differences between transducers sensor and actuators.  Explain the types of actuators.  Define sensor and explain the characteristics of sensor.  OR  Compare the common commercially available sensors used for IoT – based applications.  Outline a simple actuation mechanism.  Explain four common characteristics of actuators used for selection.  Module - 3  List and explain common data types in IoT applications.  With a neat diagram, explain offsite processing topology  Write short notes on offloading considerations.  OR  With a neat diagram, explain on-site processing topology.  Explain the IoT device design and selection considerations.  Module - 4  Define virtualization. Discuss advantages of virtualization.  Summarize the case study related to smart irrigation management system.  With a help of neat diagrams explain the cloud models.  OR  Explain the architecture of a sensor – cloud platform with a neat diagram.  Explain the features of cloud sim.	OR  What is IoT? Write the characteristics of IoT system.  With neat diagram explain the interdependency technology for IoT planes.  With a neat diagram, explain internet protocol suite.  With a neat diagram, explain internet protocol suite.  Module - 2  Nodule - 2  Doubline the basic differences between transducers sensor and actuators.  Explain the types of actuators.  Define sensor and explain the characteristics of sensor.  OR  Compare the common commercially available sensors used for IoT - based 6 L2 applications.  Outline a simple actuation mechanism.  Explain four common characteristics of actuators used for selection.  Module - 3  List and explain common data types in IoT applications.  With a neat diagram, explain offsite processing topology  Write short notes on offloading considerations.  OR  With a neat diagram, explain on-site processing topology.  Write short notes on offload locations and offload decision making.  Module - 4  Define virtualization. Discuss advantages of virtualization.  Summarize the case study related to smart irrigation management system.  Module - 4  Define virtualization. Discuss advantages of virtualization.  Summarize the case study related to smart irrigation management system.  Module - 4  Explain the IoT device design and selection management system.  Summarize the case study related to smart irrigation management system.  The control of the processing topology.  Explain the pof neat diagrams explain the cloud models.  OR  Explain the architecture of a sensor – cloud platform with a neat diagram.  Explain the features of cloud sim.