CAMBRIDGE INSTITUTE OF TECHNOLOGY

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Department of Artificial Intelligence and Machine Learning

Subject name: Introduction to IOT   **Semester:** I

Subject code: BETCK105H   **Section:** P1 to P6

QUESTION BANK FOR PREPARATORY EXAM

Sl. No.	QUESTIONS	COs	RBT Levels	Marks
1	Explain with a neat diagram of offsite processing topology.	CO3	L2	10M
2	Explain IoT device selection consideration.	CO3	L2	10M
3	Explain with diagram the different layers and its communication in processing offloading.	CO3	L2	10M
4	Explain with a neat diagram of onsite processing topology.	CO3	L2	10M
5	What are the different data formats found in IoT network traffic streams?	CO3	L2	10M
6	Differentiate between structured and unstructured data.	CO3	L2	10M
7	Explain in brief the factors to be considered while deciding on the data offload	CO3	L2	10M
8	Define Virtualization. Explain its advantages from end user and service provider point of view, and types of virtualizations.	CO4	L2	10M
9	Explain with a neat diagram of Architecture of a sensor-cloud platform.	CO4	L2	10M
10	Summarize the case study related to Smart irrigation management system.	CO4	L2	10M
11	Explain with a neat diagram of Components of an agricultural IoT.	CO4	L2	10M
12	Differentiate among different cloud deployment models.	CO4	L2	10M
13	Explain the features of CloudSim, Cloud Analyst and GreenCloud.	CO4	L2	10M
14	Explain the Architecture of Agricultural IoT with a neat sketch .	CO4	L2	10M
15	Explain the Architecture of vehicular IoT with a neat sketch .	CO5	L2	10M
16	Explain the different types of Machine learning with neat block diagram.	CO5	L2	10M
17	Explain with a neat diagram of Architecture of healthcare IoT.	CO5	L2	10M
18	Define Machine learning and explain the advantages of ML.	CO5	L2	10M
19	Explain different types of machines learning.	CO5	L2	10M
20	Explain advantages and risk factor in healthcare IoT.	CO5	L2	10M
21	Explain smart transportation system which help in crime assistance.	CO5	L2	10M
22	What is unstructured data?	**CO3**	L1	01M
23	Depending on the urgency of data processing, how are IoT data classified?	**CO3**	L1	01M
24	What is collaborative Processing	**CO3**	L1	01M
25	What is cloud computing?	**CO4**	L1	01M
26	What is an SLA? Why it is important in cloud computing?	**CO4**	L1	01M
27	What is machine learning?	**CO5**	L1	01M
28	What is a AmbuSens?	C5	L1	01M
29	What is RSU?	C5	L1	01M
30	What is Agricultural Food chain?	C$	L1	01M