

# GLOBAL ACADEMY OF TECHNOLOGY

Department of Computer Science and Engineering

**SUB :- BLOCKCHAIN AND CRYPTO CURRENCY( 20CSE742 )**

## QUESTION BANK FOR MODULE 1

SL. No.	QUESTIONS	COs
1.	Define a blockchain. What are the important features and characteristics of a blockchain?	1
2.	Explain the concept/architecture of blockchain with the help of diagram.	1
3.	Mention the different steps involved in blockchain for adding a new block/any valid transaction to the network.	1
4.	Write a short note on: i. Distributed/shared Ledger ii. Smart contract iii. Hash iv. Mining and miners v. Blockchain Race condition	1
5.	Describe the Proof-of-Work(PoW) consensus algorithm. What are the advantages of using Proof-of-Stake(PoS) & Proof-of-Burn(PoB) over Proof-of-Work(PoW) consensus algorithm.	1
6.	Mention different types of blockchain. Explain each in detail.	1
7.	Define DLT. Mention its applications and database.	1
8.	Which attributes are required to build trust within the network using blockchain?	1
9.	List out the advantages and disadvantages of blockchain technology.	1
10.	What is Centralized system? Mention its characteristics, advantages & disadvantages.	1
11.	What is Decentralized system? Mention its characteristics, advantages & disadvantages.	1
12.	What is Distributed system? Mention its characteristics, advantages & disadvantages.	1
13.	Describe the process of diminishing the practice of mediator between the manufactures and customers in blockchain.	1