

Blockchain is the backbone Technology of Digital Crypto Currency Bitcoin. The blockchain is a distributed database of records of all transactions or digital events that have been executed and shared among participating parties. Each transaction verified by the majority of participants of the system. It contains every single record of each transaction. Bitcoin is the most popular cryptocurrency an example of the blockchain.

Blockchain technology first came to light when a person or group of individuals name 'Satoshi Nakamoto' published a white paper on "*BitCoin: A peer-to-peer electronic cash system*" in 2008. Blockchain Technology Records Transaction in Digital Ledger which is distributed over the network thus making it incorruptible. Anything of value like Land Assets, Cars, etc. can be recorded on Blockchain as a Transaction.

- a) Clearly explain the concept of block chain?*
- b) Explain the key features of block chain technology*
- c) Examine the key challenges of block chain technology*
- d) Block chain is affected by a number of factors, explain the major factors affecting block chain adoption and usage in Organisations today.*
- e) What is the difference between public and private keys?*
- f) What are the key principles in a blockchain that help in eliminating security threats?*
- g) Block chain has been accepted as an integral part of the digital transactions today. Explain the application of block chain technology in the present-day organization/life.*

Please attempt the questions as an individual and submit on Friday 12th May 2023 by 16:00 GMT (4:00PM EAT)
Submit to amiwanda@mubs.ac.ug