MCQ 1

Question: What is the core concept of blockchain technology?

A) Centralized system

B) Distributed system

C) Single-node system

D) Isolated system

Correct Answer: B

MCQ 2

Question: What is a Byzantine node?

A) An honest and reliable node

B) A node that exhibits arbitrary or malicious behavior

C) A node with limited memory

D) A node that always follows the rules

Correct Answer: B

MCQ 3

Question: What does CAP theorem state about distributed systems?

A) They can have consistency, availability, and partition tolerance simultaneously.

B) They cannot have consistency, availability, and partition tolerance simultaneously.

C) They always prioritize consistency over availability.

D) They always prioritize partition tolerance over consistency.

Correct Answer: B

MCQ 4

Question: What is the purpose of mining in blockchain?

A) To slow down the network

B) To facilitate consensus and add blocks to the blockchain

C) To decrypt transactions

D) To create new cryptocurrencies without consensus

Correct Answer: B

MCQ 5

Question: What is the first block in a blockchain called?

A) The foundation block

B) The origin block

C) The genesis block

D) The root block

Correct Answer: C