Class - B. Tech CSE-B
Roll no. 233
Sub: BT

Q.NO 1

1·1) ⇒ Statement 1 and 2 are correct

1·2) ⇒ 2016 blocks

1·3) ⇒ 512 bits

1·4) ⇒ True

1·5) ⇒ Wallet.

1.6.1) Ans :— 80 rounds

1.6.2) Ans :— Four mining methods:
   1) Public , 2) Private
   3) hybrid 4) consortium

1.6.3) Between 12 to 14 secs

1.6.4) Monero, Zcash, DASH, Horizen.

1.6.5) There are three types:
   1) public
   2) Private &
   3) Federated

1.7.4) The requirements for a consensus protocol may include –

1) Agreement – All correct processes must agree on the same values.

2) Weak validity – for each correct process, its output must be the input of some correct process.

3) A consensus mechanism is a fault-tolerant mechanism that is used in computers & blockchain system to achieve the necessary agreement on a single data value or a single state of a network among distributed process.

1.7.5) Ans:—

POW is the original consensus in a blockchain network. The algorithm is used to confirm the transaction and creates a new block to the chain. In this algorithm minor compete against each other to complete the transaction of the network.