UNIT – I	Marks
1 Describe five core components of blockchain technology.	(10)
2 Discuss how problems with scaling and interoperability affect wider utilization.	r blockchain (05)
3 Describe how blockchain is helpful for e-commerce transactions.	(05)
4 Discuss the various consensus algorithms and how they work?	(06)
5 CAP theorem applied on distributed systems. Justify	(08)
6 Discuss the various benefits and limitations of blockchain.	(06)
UNIT – II	
1 Discuss the methods involved in decentralization of blockchain concep	ts. (06)
2 Differentiate the DAC and DAS applied over blockchain technology.	(06)
3 Discuss the Public and private keys Hash functions applied over application over blockchain technology.	r a specific (08)
4 Discuss on how secure hash algorithm applied over cryptographic fund	ctions. (08)
5 Describe the use of Elliptic Curve Digital signature algorithm (ECDSA algorithm.	A) on a RSA (06)
6 Explain the concept of digital signatures applied in the applications o technology.	f blockchain (06)
UNIT – III	
1 Discuss the transaction life cycle applied over the bitcoin on a technology.	blockchain (10)
2 Discuss on bitcoin network for the nodes exchange transactions and b	locks. (10)
3 Discuss the various protocol messages and how they likely to increas as the protocol grows.	se over time (10)
4 Write short notes on Deterministic and Non-deterministic wallets	(10)
UNIT – IV	
1 Differentiate Ethereum blockchain with bitcoin blockchain concepts.	(06)
Discuss on the concept of existing GAS concept over the ethereum technology.	n blockchain (06)
3 Discuss the ethereum transactions on blockchain to disrupt business invent new ones.	s models or (08)
4 Discuss the ethereum virtual machine that works on a stack-based arc	chitecture. (10)
5 List the steps involved in applying the ethereum tool applied ove applications and its usage of improvement.	er a specific (10)
UNIT-V	
	(10)
1 Explain Block chain based IOT Model.	
 Explain Block chain based IOT Model. Explain automated border control application using block chain. 	(10)