Blockchain Design Principles

LATEST SUBMISSION GRADE

100%

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	There are currently no means of achieving integrity within a blockchain network.
	✓ Correct
4.	What is the main benefit of distributing power across a peer-to-peer network? 1 / 1 point
	The actors in a peer-to-peer network are more trustworthy than those in a centralized system.
	No single party or central authority can shut the system down.
	Large-scale changes to the network protocol can be implemented easily.
	The decision-making process is much more efficient in a peer-to-peer network than in a centralized system.
	Correct
5.	Which of the following is true regarding the incentive structures of a blockchain? Select all that apply.
	Incentives are what encourage network participants to cooperate and create the value that will ensure the success of the blockchain.
	✓ Correct
	The incentive structures of a blockchain have little bearing on the security of the network.
	Paradoxically, acting in one's own self-interests benefits the peer-to-peer network.
	✓ Correct
	On a blockchain, there is no economic benefit to performing a Sybil attack.
	Correct

6. Which of the following refers to an advanced form of asymmetric cryptography wherein users (get two kevs: One for encryption and one for decryption?

	● PKI	
	SHA-256	
	O ERC-20	
	○ ICO	
	✓ Correct	
7.	How is <i>privacy</i> established in a public blockchain, given that it can be viewed by anyone at any time?	1 / 1 point
	There are currently no methods for establishing privacy on a public blockchain.	
	Users are only able to see transactions in which they were directly involved (e.g. as a sen	der or recipient).
	Internet Service Providers do not track the IP addresses of devices that are connected to	a blockchain network.
	Parties are represented pseudonymously using public addresses; a single party can own	multiple public addresses.
	✓ Correct	
8.	A blockchain can be designed to support higher levels of transparency, should all stakeholders agree to do so. The ideal situation for privacy vs. transparency would be:	1 / 1 point
	Privacy for individuals	
	✓ Correct	
	Transparency for individuals	
	Privacy for organizations, institutions, and public officials	
	Transparency for organizations, institutions, and public officials	
	✓ Correct	

9.	How could blockchain technology benefit an artist?	1 / 1 point
	With blockchain, an artist could register a <i>hash</i> of his/her creative work, thereby providing stamped proof of existence, authorship, and copyright ownership.	g an immutable, time-
	With smart contracts, an artist could be paid directly from fans without multiple intermedia	aries taking a cut.
	With smart contracts, an artist could assign and automatically enforce customized usage another party.	rights for his/her work to
	All of the above	
	✓ Correct	
10.	In what sense do public blockchains support financial inclusion?	1 / 1 point
	Users do not require a birth certificate, home address, or proof of citizenship in order to jo	oin the network.
	There is no minimum account balance required to participate in the network.	
	The infrastructure makes micropayments feasible, thereby lowering the barriers to invest participation in global trade.	ing, entrepreneurship, and
	All of the above	
	✓ Correct	