Dashboard ► Campus based Instruction ► Non-Specific Programs ► 2022-23 Semester 2 ► MERGED Courses ► S2-22_MERGEDBCTS ► General ► Quiz 1		
Star	rted on Saturday, 8 April 2023, 9:52 PM	
	State Finished	
Comple	eted on Saturday, 8 April 2023, 10:11 PM	
Time	e taken 19 mins 14 secs	
	Marks 17.00/20.00	
	Grade 4.25 out of 5.00 (85 %)	
Question 1	Which are the key attributes of roll ups?	
Mark 0.00 out of	Select one or more:	
1.00	a. All of the above ★	
	■ b. Data or proof of transactions resides on layer-2	
	c. Transaction execution happens outside layer-1	
	 d. A roll up smart contract (lying on layer-1) can enforce correct transaction execution on layer-2 by using the transaction data lying on layer-1. 	
	The correct answer is: Transaction execution happens outside layer-1	
Question 2 Correct	Which entity can play a major role to provide scalability in the polkadot by collecting sharded transactions from the users?	
Mark 1.00 out of	Select one or more:	
1.00	a. Validator	
	b. Fisherman	
	✓ c. Collators ✓	
	d. Nominator	
	The correct answer is: Collators	

Question 3 Correct	Which are the applications related to the decentralized finance?
	Select one or more:
Mark 1.00 out of 1.00	☑ a. Codefi ✓
	b. Doc.ai
	c. Sandbox
	☑ d. Uniswap 🗙
	The correct answer is: Codefi
Question 4	Select the true statements -
Incorrect	Select one or more:
Mark 0.00 out of	
1.00	process X
	b. Ouroboros is a PoS-based protocol that is run on cosmos blockchain
	d. 51% attack is far more expensive to carry out in PoS then in PoW mechanism
	The correct answer is: 51% attack is far more expensive to carry out in PoS then in PoW mechanism
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E	
Question 5 Correct	What is the consensus mechanism used by VeChain?
Mark 1.00 out of	Select one or more:
1.00	a. Proof of capacity
	c. Proof of work
	d. Proof of history
	The correct answer is: Proof of stake

Question 6 Correct Mark 1.00 out of 1.00	To avoid tx.origin attack, which attribute should we use to check for authorisation of ownership? Select one or more: a. tr.sender b. tx.sender c. msg.origin d. msg.sender ✓ The correct answer is: msg.sender
Question 7 Correct Mark 1.00 out of 1.00	Which blockchain provides a blockchain building frameowrk called Substrate to develop a new blockchain? Select one or more: a. IOTA b. Cosmos c. Ethereum d. Polkadot ✓ The correct answer is: Polkadot
Question 8 Correct Mark 1.00 out of 1.00	Key features of IOTA are: Select one or more: ☑ a. Zero transaction fee ✓ ☑ b. All of the above ☑ c. Current version of IOTA is resilient to quantum machine ☑ d. Completely self-regulating ★ ☑ e. Scalability ★

Correct Mark 1.00 out of 1.00	Which kind of L2 rollup is used by Arbitrum? Select one or more: a. None b. ZK rollup c. Optimistic rollup d. Deterministic rolllup
	The correct answer is: Optimistic rollup
Question 10 Correct Mark 1.00 out of 1.00	Select the true statements about the scalability solutions- Select one or more: ■ a. Sidechains operate as a decoupled entity with their own behavior, consensus algorithms, attributes and security. ■ b. A state channel is a smart contract that enforces predefined rules for on-chain transactions. ■ c. In the plasma chains, each child may have its own mechanism of block validation. Moreover, the communication between the child chains and the root
	chain is secured by fraud proofs. ★ d. Polygon provides a layer-2 solution as a sidechain and plasma chain. e. To achieve security, state channel and side chains have their own security measures. The correct answer is: Sidechains operate as a decoupled entity with their own behavior, consensus algorithms, attributes and security.
Question 11 Correct Mark 1.00 out of 1.00	Which statement best describes the metaverse? Select one or more: a. A virtual world that connects people wprldwide without the internet. b. A non-physical world inwhcih people interact virtually through technology. ✓ c. A non-physical world designed for people involved in VR gaming activities. d. A virtual world designed to support the latest 5G mobile technology.
	The correct answer is: A non-physical world inwhcih people interact virtually through
	25 25. and to 1.6.7. Then projected world mithient people interact virtually through

technology.

Question 12 Correct Mark 1.00 out of 1.00	How does uniswap DEX determine the price of the coin? Select one or more: a. None of them b. price of the most recent trade or transactions c. Both 1 & Damp; 2 d. Mathematical formula or algorithm also known as Automated Market Maker ✓
	The correct answer is: Mathematical formula or algorithm also known as Automated Market Maker
Question 13	Which company is not there in the metaverse world?
Mark 0.00 out of	Select one or more:
1.00	a. Amazon
	b. Microsoft
	□ c. Facebook
	☑ d. Google 🗙
	The correct answer is: Amazon
Question 14 Correct	What is the name of the consensus mechanism developed by Fantom?
Mark 1.00 out of	Select one or more:
1.00	a. Tendermint
	b. Lachesis √
	☐ c. Proof of history
	d. Proof of stake
	The correct answer is: Lachesis

Question 15	ZK-SNARK stands for Zero Knowledge Succinct Non
Correct	Select one or more:
Mark 1.00 out of 1.00	a. Interactive Argument of Knowledge √
1.00	b. Immutable Authority of Knowledge
	c. Immutable Argument of Knowledge
	d. Interactive Authority of Knowledge
	d. Interactive Authority of Knowledge
	The correct answer is: Interactive Argument of Knowledge
Question 16	Ways to reward the miners in the Helium Blockchain
Correct	ways to reward the militers in the helium blockchain
Mark 1.00 out of	Select one or more:
1.00	a. Witnesses ★
	b. Challenges ✓
	☑ c. Network Data Transfer 🗙
	✓ d. Proof-of-coverage ✓
	The correct answer is: Challenges
Question 17 Correct	Tools used for performing on-chain analysis -
	Select one or more:
Mark 1.00 out of 1.00	☑ a. Glassnode 🗙
	☑ b. Blockchain Explorer ✓
	☑ c. DappRadar 🗙
	☑ d. CryptoQuant 🗡
	The correct answer is: Blockchain Explorer

Question 18 Correct Mark 1.00 out of 1.00	Which of the following is not a known benefit of an NFT? Select one or more: a. They allow owner the right to reproduce the asset ✓ b. They allow a securitization-like process for assets c. They allow the tracing of ownership and custody of an asset over time d. They allow owners to better control depulication of works by others.
	The correct answer is: They allow owner the right to reproduce the asset
Question 19 Correct Mark 1.00 out of 1.00	Which of the following is true about the bitcoin scripting language? Select one or more: a. support infinite time/memory b. turing complete c. stack-based ✓ d. None of the above
	The correct answer is: stack-based
Question 20 Correct Mark 1.00 out of 1.00	Which entity can play a role to select the trustworthy validators in polkadot Select one or more: ☑ a. Nominators ✓ ☐ b. Collators ☐ c. Validators ☐ d. Fisherman
	The correct answer is: Nominators