

Quiz Summary

Section Filter ▾

Student analysis

Item analysis

Average score

76%

High score

100%

Low score

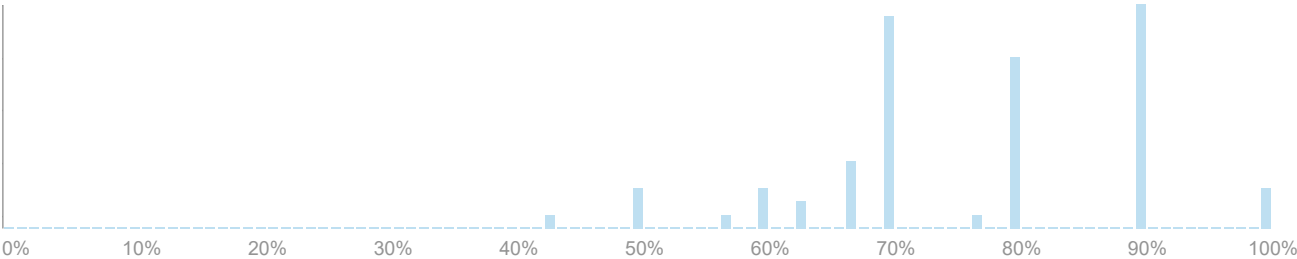
43%

Standard deviation

1.29

Average time

23:14



Question Breakdown

Attempts: 65 out of 65

+0.16

Which of the following are commonly censored?

Discrimination Index ⓘ

Social network

0 %

Political media

1 respondent

2 %

Wikipedia

0 %

News site

0 %

All of the above.

64 respondents

98 %

98% answered correctly



Attempts: 65 out of 65

Which of the following are the desired property for anti-censorship technologies?

Integrity	10 respondents	15 %	83%
Unobservability	64 respondents	98 %	✓ answered correctly
Unblockability	63 respondents	97 %	✓
Accountability	2 respondents	3 %	
Scalability	62 respondents	95 %	✓

Attempts: 65 out of 65

Which of the following anti-censorship technology is completely unobservable?

+0.24

Discrimination Index ?			
TOR	2 respondents	3 %	
StegoTorus	1 respondent	2 %	
FreeWave	1 respondent	2 %	
SkypeMorph		0 %	
None of the above	61 respondents	94 %	✓

94% answered correctly

Attempts: 65 out of 65

Which of the following statement is **WRONG** about StegoTorus anti-censorship technology?

+0.59

Discrimination

Index (?)

StegoTorus is used with TOR.		0 %
StegoTorus utilizes multiple protocols to carry circumvention traffic.	2 respondents	3 %
StegoTorus is not fully effective against an active censor (e.g., manipulate network bandwidth etc.)	5 respondents	8 %
It is difficult for a censor to identify StegoTorus Bridge.	40 respondents	62 %
None of the above.	18 respondents	28 %

62%

answered
correctly

Attempts: 65 out of 65

+0.44

Which of the following statement is **WRONG** about Telex?

Discrimination

Index (?)

After TLS handshake, Telex Station works as MITM for TLS communication.	1 respondent	2 %
Telex uses invisible tag that carries TLS master secret in an encrypted form.	16 respondents	25 %
Routing Around Decoys attack is a threat against Telex.	10 respondents	15 %
Telex relies on public-key cryptography.	13 respondents	20 %
None of the above.	25 respondents	38 %

25%

answered

correctly

Attempts: 65 out of 65

+0.25

Which of the following statement is WRONG about blockchain?

Discrimination Index ?

Nodes are connected via peer-to-peer network.		0 %
Bitcoin relies on permissioned blockchain.	64 respondents	98 %
Each block of the blockchain contains Merkle root hash value that summarizes transactions.	1 respondent	2 %
Transaction propagation may be abused for DoS attack.		0 %
None of the above.		0 %

98%

answered

correctly

Attempts: 65 out of 65

+0.24

Which of the following is WONG about P2P network of Bitcoin?

Discrimination Index ?

All Bitcoin nodes must have public IP address so that they accept incoming connections.	37 respondents	57 %
IP addresses of peer nodes are learned from ADDR messages, and they are stored in New table.	7 respondents	11 %
In a Bitcoin node, Tried table is used to store IP addresses of peered nodes.	1 respondent	2 %

P2P network relies on Internet routing such as BGP.

5 respondents

8 %

None of the above.

15 respondents

23 %

57%

answered

correctly

Attempts: 65 out of 65

Eclipse attack is one of the strategies to mount partitioning attack against Bitcoin. Which of the following statements is CORRECT?

+0.36

Discrimination

Index (?)

Eclipse attack can only be mounted by ISPs.

0 %

Eclipse attack is still effective against the latest version of Bitcoin Core.

0 %

Eclipse attack poisons the peer database on a target Bitcoin node.

60 respondents

92 %

Eclipse attack can be prevented by BGPSEC.

1 respondent

2 %

None of the above.

4 respondents

6 %

92%

answered

correctly

Attempts: 65 out of 65

Which of the following is CORRECT about Bitcoin hijacking attack (Apostolaki et al. [IEEE S&P 2017])?

+0.64

Discrimination

Index (?)

Bitcoin hijacking attack poisons peer data on a victim Bitcoin node.	1 respondent	2 %
The attack works against the latest version of Bitcoin Core.	34 respondents	52 %
The attack exploits a design flaw of Bitcoin Core.	9 respondents	14 %
The attack is stealthy and difficult to detect.	7 respondents	11 %
None of the above.	14 respondents	22 %

52%
answered
correctly

Attempts: 65 out of 65

Erebus attack is one of the new attacks against Bitcoin. Which of the following statement is CORRECT?

+0.26

Discrimination

Index (?)

Erebus can only be mounted by Tier-1 ISP.		0 %
Erebus attack works against the latest version of Bitcoin core.	60 respondents	92 %

Erebus attack can cause significant impact within a short term.	1 respondent	2 %
Detection of Erebus attack is easy.		0 %
None of the above.	4 respondents	6 %

92%
answered
correctly