

Cybersecurity, AI, Blockchain, Ethics (15 Questions)

1. What is the goal of phishing?
 - A. To improve network performance.
 - B. To trick people into divulging information.
 - C. To install antivirus software.
 - D. To back up files.
2. What does ransomware do?
 - a. Steals personal information.
 - b. Displays intrusive advertisements.
 - c. Encrypts files and demands ransom.
 - d. Secretly gathers user data.
3. What does social engineering involve in cybersecurity?
 - a. Writing complex computer code.
 - b. Manipulating people to take inappropriate actions.
 - c. Installing firewalls.
 - d. Encrypting data.
4. What is a threat vector in cybersecurity?
 - a. A type of antivirus software.
 - b. A method used by attackers to gain access to a system.
 - c. A security policy.
 - d. A type of firewall.
5. What is the "Plan - Protect - Respond" methodology?
 - a. A method for software development.
 - b. A cybersecurity strategy.
 - c. A marketing plan.
 - d. A financial management technique.
6. Which of the following is a method for creating strong passwords?
 - a. Using only letters.
 - b. Using common words.
 - c. Using numbers, letters, and symbols.
 - d. Using only your birthday.
7. What is a potential negative outcome of AI?
 - a. Increased job opportunities for everyone
 - b. Elimination of bias
 - c. Perpetuation of biases in training data
 - d. Guaranteed accuracy in all applications
8. What is the purpose of Natural Language Processing (NLP) in AI Chatbots?
 - a. To generate images.
 - b. To simulate human conversation.
 - c. To control robots.
 - d. To predict stock prices.

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9. What do transformer-based language models do?
 - a. Need human involvement to identify patterns in text data
 - b. Identify patterns in text data without human involvement
 - c. Only generate human languages
 - d. Only process human languages

10. What is the Turing Test designed to evaluate?
 - a. The processing speed of a computer.
 - b. A machine's ability to exhibit intelligent behavior equivalent to, or indistinguishable from, that of a human.
 - c. The power consumption of AI systems.
 - d. The physical capabilities of a robot.

11. What is a first-party cookie?
 - a. A cookie created by a website other than the one you are visiting.
 - b. A small text file stored by your browser.
 - c. A cookie created by a website you visit to keep track of your preferences.
 - d. Malicious software that collects sensitive information.

12. Which of the following is a type of spyware?
 - a. Antivirus software
 - b. Keystroke Logger
 - c. Firewall
 - d. VPN

13. What is a key characteristic of blockchain technology?
 - a. Centralized control
 - b. Immutability
 - c. Lack of transparency
 - d. Use of intermediaries

14. What is "Proof-of-Work" (PoW)?
 - a. A type of cryptocurrency.
 - b. A consensus mechanism.
 - c. A digital wallet.
 - d. A cryptocurrency exchange.

15. What is a "gas fee" in cryptocurrency transactions?
 - a. A fee charged by a bank.
 - b. A fee charged for transactions by blockchains.
 - c. A government tax on cryptocurrency.
 - d. A fee for using a cryptocurrency wallet.

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Answer Key

Cybersecurity, AI, Blockchain, Ethics (Q11–Q25)

1. B. To trick people into divulging information.
2. C. Encrypts files and demands ransom.
3. B. Manipulating people to take inappropriate actions.
4. B. A method used by attackers to gain access to a system.
5. B. A cybersecurity strategy.
6. C. Using numbers, letters, and symbols.
7. C. Perpetuation of biases in training data
8. B. To simulate human conversation.
9. B. Identify patterns in text data without human involvement
10. B. A machine's ability to exhibit intelligent behavior equivalent to, or indistinguishable from, that of a human.
11. C. A cookie created by a website you visit to keep track of your preferences.
12. B. Keystroke Logger
13. B. Immutability
14. B. A consensus mechanism.
15. B. A fee charged for transactions by blockchains.