Mark (✓) in front of the correct statement or cross (X) in front of the incorrect statement:

1. AI helps manage energy in smart homes by analyzing usage patterns and saving energy.( )
2. Smart systems help reduce pollution from factories by shutting them down.( )
3. .Intelligent systems improve the efficiency of self-driving cars by increasing fuel consumption.()
4. One of the proposed smart solutions to address the drought problem is to rely solely on rain.()
5. Tricking people into revealing their information is a social engineering technique.( )
6. Ransomware permanently damages your device.( )
7. Ransomware encrypts files and demands a ransom to recover them.( )
8. Spear phishing targets the personal information of specific individuals( ) .
9. Disrupting a website or internet service by sending massive amounts of spam is called baiting.( )
10. The primary function of artificial intelligence is to transmit data only.( )

Choose the appropriate answer to complete each of the following statements:

1 - The term security updates means.....

A. Changing the appearance of the operating system. B. Adding new features to the software.

C. Fixing security vulnerabilities in the software and hardware. D. Accelerating the performance of applications.

2 - Botnets used in DDOS attacks are called.....

A. Advanced artificial intelligence programs. B. Superfast computers.

C. A group of secure servers. D. A network of hacked devices that are remotely controlled.

3 - .....is considered an innovative solution to reduce waste at home.

A - Throwing waste in the streets. B - Not caring about this order.

C - Increasing waste. D - The use of robots to sort waste.

4 - One of the major challenges facing the widespread implementation of smart systems.....

A - High cost and maintenance requirements. B - Increased speed.

C - Reduced efficiency. D - Not needed.

5 - Systems that combine robotics, IoT, and AI are called.....

A. Traditional systems B. Intelligent interconnected systems

C. Manual systems D. Mechanical systems