Form II Test 7

1. Fill in: *footage*, *vision*, *access*, *identification*, *detection*.

1. Facial recognition cameras are often used to permit _____ to high-security buildings. **2.** The noise _____ system alerted security personnel to a possible break-in. **3.** Retailers can use computer _____ to monitor shoppers' behaviour and prevent theft. **4.** Security personnel regularly examine _____ from surveillance cameras to observe activity. **5.** Banks often use voice _____ to verify customers before they make transactions.

2. Complete the gaps with: *accomplish*, *record*, *update*, *collaborate*, *monitor*.

1. Did you know that AI systems can automatically _____ maps to reflect real-time traffic conditions? **2.** Remote health surveillance systems are used to _____ patients with long-term health issues at home. **3.** The factory relies on robots to _____ tasks that are too dangerous for human workers. **4.** The hospital uses a system where robots and staff _____ to improve patient care. **5.** The new health app can _____ movements, food intake and sleep patterns to help users maintain a balanced lifestyle.

3. Fill in: of, up, with, on, into.

1. Everyone should be careful not to click _____ suspicious links to avoid harmful programs. **2.** Teens may feel jealous _____ their friends' achievements when scrolling through social media. **3.** Criminals attempted to hack _____ the company's database, but they were unsuccessful. **4.** A notification will pop _____ on the screen to alert you of a new message. **5.** Healthcare robots are patient _____ helping elderly patients and ensuring they take their medicines.

4. Choose the correct option.

1. Video calls on my laptop can make me **keep/lose/make** track of time when talking with friends. **2.** AI algorithms are a **careful/thoughtful/powerful** tool for analysing data. **3.** AI systems use natural language **processing/analysis/monitoring** to understand and respond to voice commands. **4.** By conducting regular database **recognition/matching/sweeps**, we have stopped a lot of hacking attempts before any damage could occur. **5.** Robot-assisted **service/surgery/procedure** reduces the risk of human error during complex surgeries.

5. Rewrite the sentences in the passive.

1. Someone has programmed the robot to perform repetitive tasks.
……
2. They are developing AI technologies to improve customer service.
……
3. The committee will review the application for the new design next week.
……
4. People should have backed up the data before the computer crashed.
……
5. They need to change the algorithm so that it performs better.
……
6. People all over the world are talking about the new AI breakthrough.
……
7. Someone has to update the system's security settings.
……
8. They could see improvements in performance with the new system.
……

6. Put the verbs in brackets into the correct causative form.

1. The airline _____ **(passengers' boarding passes/scan)** by a computer before each flight. **2.** The researcher _____ **(patients' sleep patterns/track)** by an AI robot during his next study. **3.** We _____ **(social media content/manage)** by a chatbot since we started the company. **4.** They _____ **(security cameras/install)** last week. **5.** Schools _____ **(their online learning platforms/secure)** with AI-based tools to prevent cyber threats this year. **6.** Governments must _____ **(public areas/patrol)** by security personnel to ensure safety.

7. Complete the second sentence using the word in bold. Use between two and five words.

1. The developer should fix the issue with the new AI software by the end of the day. **BY**

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The issue with the new AI software …….. the developer before the day is over.
2. They delivered our new robot last Friday. **WILL** We …… last Friday.
3. The company plans to release an update on their new AI software soon. **BE**
An update on the company's new AI software is …….. soon.
4. They will have set up Harry's chatbot by the end of the week. **HAVE**
Harry …….. set up by the end of the week.
5. Someone might have hacked into the company's system last night. **HACKED**
The company's system …… last night.
6. The manager asked the technicians to test the new software. **HAD**
The manager …….. the new software.

8. Complete the dialogue using the sentences (A-E).

A To my mind, those are very different areas.
B The consequences could be worse than we can imagine.
C I'm afraid I have to disagree.
D How can you be so sure that it can't?
E It's madness to rely on it for something so important.

A: To my mind, using AI in criminal court cases will make the justice system more efficient and fairer.
B: **1)** ___ It's highly unlikely that AI can handle the complexities of legal decisions.
A: **2)** ___ AI can process large amounts of data quickly and with fair judgement.
B: Actually, no. AI can only work with the data it's given, and if there is any hidden unfairness in that data, this will be reflected in its decisions. **3)** ___
A: Really? AI has been successfully used in other fields, like healthcare and finance. Why not criminal law, too?
B: **4)** ___ In law, we're dealing with people's lives and rights. It doesn't make sense to risk those things using untested technology.
A: But the potential benefits are enormous. AI could help speed up case processing times and reduce the number of people found guilty unfairly.
B: There's no way to ensure AI won't make mistakes, though. **5)** ___

9. Read the text about the benefits of AI in self-driving cars and choose the best option (A, B or C) for each question.

Self-driving Cars and AI

A. Imagine waking up in the morning with a schedule packed with things to do. As you finish breakfast, your self-driving car pulls up to the front door, ready to take you to your first destination. You step through the door, relax in the back seat and let the car's advanced AI system navigate the traffic. During the ride, you catch up on emails, enjoy a podcast and even take a short nap. The car smoothly handles every turn and stop, ensuring you arrive at each destination on time and stress-free. This experience highlights the incredible capability of self-driving cars powered by artificial intelligence (AI).
B. Self-driving cars have advanced sensors cameras and computing systems that allow them to drive on roads without a human driver. These vehicles rely on AI to process large amounts of data from their environment and make real-time decisions to ensure safe and efficient travel. AI, or artificial intelligence, refers to the simulation of human intelligence in machines, enabling them to perform tasks that typically require human understanding, such as decision-making and learning.
C. The operation of self-driving cars is a marvel of modern technology which relies heavily on AI. These vehicles are equipped with a variety of sensors to gather detailed information about their surroundings. AI algorithms process this data to create a map of the environment and identify other vehicles, pedestrians, traffic signals and road signs. Using this information, the AI system predicts the actions of other road users and plans the car's movements accordingly. The AI continuously learns from new data and improves its ability to handle complex and unexpected situations.
D. The use of AI in self-driving cars offers a lot of benefits. One of the most significant advantages is greater road safety. AI systems can react faster than humans and do not become distracted or tired. This reduces the likelihood of accidents. Additionally, self-driving cars can communicate with each other to avoid traffic jams and lower fuel costs. They also offer increased mobility for those who are unable to drive, such as the elderly and disabled, providing them with greater independence and access to transport.
E. Despite the promising benefits, there are several concerns associated with self-driving cars. One major issue is data privacey. These vehicles collect a lot of data about their passengers and surroundings, and this raises questions about who owns this data and how it is used. There are also safety concerns related to the reliability of AI systems. Although AI has the potential to improve safety, it is not perfect. Technical failures or cyberattacks could creates serious risks.
F. AI and self-driving cars represent the future of transport, offering a vision of safer, more efficient and more accessible travel for everyone. However, as with any technological advancement, it is important to approach it carefully. Lawmakers, tech developers and consumers must work together to address the challenges associated with this technology. By ensuring data protection measures and improving the reliability of AI systems, we can use self-driving cars while avoiding the risks. In this way, AI in self-driving cars may lead to smarter and safer future transport.

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1. Which word could replace 'highlights' in paragraph A? *A overlooks* **B** *hides* **C** *emphasises*
2. There is missing punctuation in *A paragraph C.* **B** *paragraph B.* **C** *paragraph D.*
3. In paragraph C, what does 'equipped' mean? *A removed* **B** *demanded* **C** *supplied*
4. AI systems in self-driving cars can react faster than humans because
A nothing distracts them or makes them tired. **B** *they are stronger than humans.* **C** *they don't have human emotions.*
5. The text implies that self-driving cars can help reduce
A the price of fuel. **B** *traffic congestion.* **C** *car manufacturing costs.*
6. There is a spelling error in *A paragraph E.* **B** *paragraph D.* **C** *paragraph C.*
7. There is a grammatical error in *A paragraph F.* **B** *paragraph E.* **C** *paragraph D.*
8. What is a major concern associated with self-driving cars, according to the text?
A their speed **B** *lack of technology* **C** *data protection*
9. What is the meaning of 'vision' in paragraph F? *A dream* **B** *plan* **C** *sight*
10. What is the text's overall message about AI in self-driving cars?
A AI in self-driving cars has great potential, but also requires careful handling.
B Traditional driving is better than AI driving. **C** *AI in self-driving cars is dangerous and should be avoided.*

10. Listen to five people talking about digital assistants in the workplace. Listen and match each speaker (1-5) to the viewpoints (A-H). Three options are extra.

Speaker 1	
Speaker 2	
Speaker 3	
Speaker 4	
Speaker 5	

Which speaker
A prefers having a personal secretary to having a digital assistant?
B is going to stop using a digital assistant in the near future?
C only uses a digital assistant to schedule reminders at home?
D isn't happy that digital assistants are everywhere nowadays?
E uses a digital assistant to handle scheduling at work?
F received positive feedback about digital assistants from colleagues?
G is afraid that a digital assistant will replace him/her at work?
H has not decided whether to use a digital assistant yet?

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