



SUGGESTED ANSWERS

THE AI ISSUE

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SUGGESTED ANSWERS

Grammar Editing: What is Machine Learning?

Here are suggested answers to our grammar exercise:

<p>In today's digital age, understanding the technologies that drive innovation is essential. One key technology at the forefront of this transformation is machine learning, a subset of artificial intelligence (AI) focused at developing algorithms that improve automatically through data and experience. In contrast towards traditional programming, where a computer follows predefined instructions, machine learning involve giving a computer a set of examples and a task to perform, allowing them to figure out how to accomplish the task based on those examples. For instance, to teach an computer to recognise images of cats, we do not provide specific instructions on what a cat looked like. Instead, we supply thousands of cat images, letting the machine learning algorithm identifying common patterns and features that define a cat. Over time, as the algorithm processes more images, it becomes better at recognising cats, even when presented with images it has never saw before. This ability to learn from data and improve over time makes machine learning powerful and versatile.</p>	<ol style="list-style-type: none">1. ✓2. on3. to4. involves5. it6. a7. looks8. identify9. ✓10. seen
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Nature of errors:

1. ✓
2. at → on (preposition)
3. towards → to
4. involve → involves (SVA)
5. them → it (pronoun usage)
6. an → a
7. looked → looks (tenses)
8. identifying → identify (tenses)
9. ✓
10. saw → seen (tenses)

Visual Comprehension: AI, All Around YOU!

Here are suggested answers to our visual comprehension exercise:

1. Tick the most suitable caption for Text 1.

Are you ready for AI?



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- Take AI with you everywhere (Answer)
- Level up with AI today!

2. From Text 2, what does the word “vital” suggest about the relevance of AI today?

It suggests that AI is essential/necessary to our everyday lives.

3. Identify the phrase in Text 2 which supports the message of Text 1.

The phrase is "having a superintelligent program with you anytime, anywhere"

4. Look at Text 1 and 2 and statements (a) and (b) below.
Decide whether the statements refer to Text 1, Text 2, both texts, or neither text.
Circle the answer you have chosen for each statement.

The content is designed to persuade the reader.

- Text 1
- Text 2
- Both (Answer)
- Neither

The content has a personal voice.

- Text 1
- Text 2 (Answer)
- Both
- Neither



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Listening Comprehension: Meet Your New Study Aid

Here are answers for our listening comprehension exercise:

In this listening comprehension exercise, you will hear two friends discuss the implications of using AI for their school work.

For Questions 1–2, tick the answer (A, B, C or D) which fits best according to what you hear. There are two questions for each recording.

According to Chad, AI hallucination is caused by/when

- A. The data it is trained on is not always complete or reliable to begin with
- B. Fabricated data that is being used to train AI models
- C. The developers who create the AI
- D. The AI's hardware limitations

(A)

The two friends agree that using AI for school work is fine as long as

- A. They use it less frequently
- B. They make sure to verify AI-generated information with reliable sources
- C. The AI produces the desired answer they are looking for
- D. They use it as a starting point of their work

(B)



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Expository Text Comprehension: The Dark Side of AI

Here are suggested answers to our text comprehension exercise:

1. What does the word 'dramatically' (line 1) suggest about the extent to which image and video manipulation techniques have evolved?

Ans: It suggests a rapid and strikingly great transformation in these techniques. [1]

Note: the answer should mention the speed and scale of these techniques.

2. Why does the writer say that videos today can no longer "be trusted at face value" (line 5)?

Ans: The writer says this because deepfake technology has advanced to the point where it is nearly impossible to tell apart authentic videos from manipulated ones. [1]

3. In Paragraph 3, the writer appears to be worried about the use of deepfakes in personal life. Give **two** separate words or phrases that reflect this view.

1. Alarmingly.
2. The technology here is no joke. [2]

Note: response should answer the method — separate words or phrases.

4. (i) Give two examples from Paragraph 5 that Brad can use to support his view.

1. Blockchain or digital watermarks can be embedded in video files during their production process, so as to maintain clear chains of custody for footage from creation to dissemination.
2. AI-detection tools can be deployed to identify inconsistencies, such as unnatural facial movements and inconsistent lighting, in videos. [2]

(ii) Give one example from Paragraph 5 that Stacey can use to support her view.

Public educational campaigns can focus on promoting digital literacy, enabling people to understand the basics of how deepfakes are created and the common characteristics that might indicate a video or image is fake. [1]

5. With reference to Paragraph 6, explain **in your own words** how we can stay ahead of deepfake technology.

Ans: We can stay ahead of deepfake technology by learning how they are made, using cutting-edge tools to detect them, exposing false content, and putting proactive strategies in place. [2]

6. In Paragraph 6, what does the writer mean when he describes the situation surrounding deepfakes as navigating a "tech minefield" (line 54)?

Ans: The writer is suggesting that deepfake technology is very dangerous and can cause significant harm to individuals and society at large without proper regulation. [1]



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7. Using your own words as far as possible, summarise the ways in which AI-powered deepfakes present challenges to society.

Use only information from Paragraphs 2 to 4.

Your summary must be in continuous writing (not point form). It must not be longer than 80 words (not counting the words given to help you begin).

Fast fashion like Shein can be appealing because... [15]

Points	From passage (main points)	Paraphrased
1	...widespread use of AI-generated disinformation, where malicious actors purposefully manipulate false information to deceive others.	Deepfakes pose a danger to society because they enable the spread of fake information,
2	...the technology's potential to mislead voters and distort public perception of certain politicians.	Skewing how politicians are viewed
3	...deepfakes could be employed as a tool of psychological warfare that aims to undermine public morale and sow confusion.	and eroding public confidence in wartime.
4	With the possibilities enabled by AI deepfakes, social media cyberbullying can become even more targeted and specific,	Deepfakes also makes cyberbullying more precise and focused,
5	as bullies can easily create highly convincing deepfake content that falsely portrays their victims as doing or saying things that never occurred.	as bullies can effortlessly generate deepfake content that wrongly implicates victims.
6	... authentic-sounding robotic voices have been used in scams to impersonate executives, transferring funds to fraudulent accounts or making CEOs say damaging statements	Criminals use deepfakes in impersonation scams or to defame business leaders,
7	... resulting in significant reputational damage and millions of dollars being siphoned out of companies by fraudsters.	causing massive reputation and financial losses.
8	Cybercriminals are increasingly using deepfake audio and imagery to bypass traditional biometric verification mechanisms like face ID, making hacking and stealing personal or financial information easier than ever before.	Deepfakes circumvent existing authentication methods, making data theft easier.
9	...as deepfake content grows more prevalent and difficult to identify citizens may become increasingly sceptical about the media they encounter leading to an erosion of trust	These deceptions destroy public trust as citizens doubt the veracity of media
10	It also presents a novel threat to privacy rights and security concerns for both individuals and organisations.	while threatening privacy and security for people and organisations



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Accept any 10 points for 1 mark each.

Total: 15 marks

- Content: 8 marks
- Language: 7 marks (grammar, spelling, punctuation, vocabulary)



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The Human Cost of AI

Step 1

Observe: Consider the question above. Fill in key examples that might help you respond to it. You can get your answers from page 34 and 35. The first two have been filled in for you as an example.

A	B	C
Tech advancements lead to massive job displacement	New technologies like AI enhance human creativity	Tech advancements create new and higher-paying jobs

D	E	F
New tech can impact the compensation structure of existing artists	Tech advancements can free us from mundane tasks	New tech like AI can devalue the work of existing artists

G	H	I
New tech like AI can create factually misleading/culturally insensitive artwork	New tech like AI can lead to art plagiarism	New tech like AI can digitally restore old artwork

Step 2

Organise the points: Match the points above to the suitable categories. You do not need to fill in all the blanks.

Should	Should not
B, C, E, I	A, H, G, F, D



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Step 3

Outline: Fill in the blanks with what you know!

Agree paragraph	[Point] Some might argue that we should always embrace new technological developments because they help to enhance human creativity.
	[Example] For example, the world was captivated when Turkish artist Refik Anadol showcased his work <i>Unsupervised</i> at the Museum of Modern Art in 2022. The work involved using a machine learning algorithm trained on 380,000 images from MoMA's collection to generate a continuous stream of moving images.
	[Link] Therefore, because new technologies like AI can augment and elevate artists' creative prowess, embracing technological developments is essential for progress and innovation in society.

Disagree paragraph	[Point] That said, it is important to recognise the downsides of technological developments, especially if they displace workers and their communities.
	[Example] For example, a report by the WEF predicts that AI and automation might eventually replace nearly 85 million jobs worldwide by 2025, suggesting that a large portion of people will get left behind amid a changing digital landscape.
	[Link] Thus, in order to ensure that technological developments like AI benefit society and do not harm it, workers need to continuously upskill themselves to ride the waves of technological disruption.