

**Preliminary Examination 2025
Secondary Four Express/
Secondary Five Normal Academic**

CANDIDATE NAME:

CLASS:

INDEX NUMBER:

HUMANITIES

2260/01, 2261/01, 2262/1, 2264/1

Paper 1 Social Studies

25 August 2025

1 hour 45 minutes

0800 - 0945h

Additional Materials: Writing paper

READ THESE INSTRUCTIONS FIRST

Write your name, class and index number on all the work you hand in.
Write in dark blue or black pen on both sides of the paper.
Do not use staples, paper clips, highlighters, glue or correction fluid/tape.

Answer **all** the questions.
Write your answers on the writing paper provided.

At the end of the examination, fasten Section A and B **separately**.
The number of marks is given in brackets [] at the end of each question or part question.

For examiner's use only:

Section A	/ 35 m
Section B	/ 15 m
Total	/ 50 marks

Section A (Source-based Case Study)

Answer **all** questions.

Being Part of a Globalised World

Study the Background Information and the sources carefully and then answer **all** the questions.

You may use any of the sources to help you answer the questions, in addition to those sources you are told to use. In answering the questions, you should use your knowledge of the topic to help you interpret and evaluate the sources.

1 Study Source A.

What is the message of this source? Explain using details from the source. [5]

2 Study Sources B and C.

How similar are these two sources? Explain your answer. [6]

3 Study Source D.

How useful is this source as evidence about the use of Artificial Intelligence (A.I.)? Explain your answer. [7]

4 Study Sources E and F.

Having read Source F, are you surprised by Source E's comments on the use of Artificial Intelligence (A.I.)? [7]

5 'Artificial Intelligence (A.I). has a positive impact on society.'

Using the sources in this case study, explain how far you would support this statement. [10]

Should we be concerned about the rise of Artificial Intelligence (A.I.)?

BACKGROUND INFORMATION

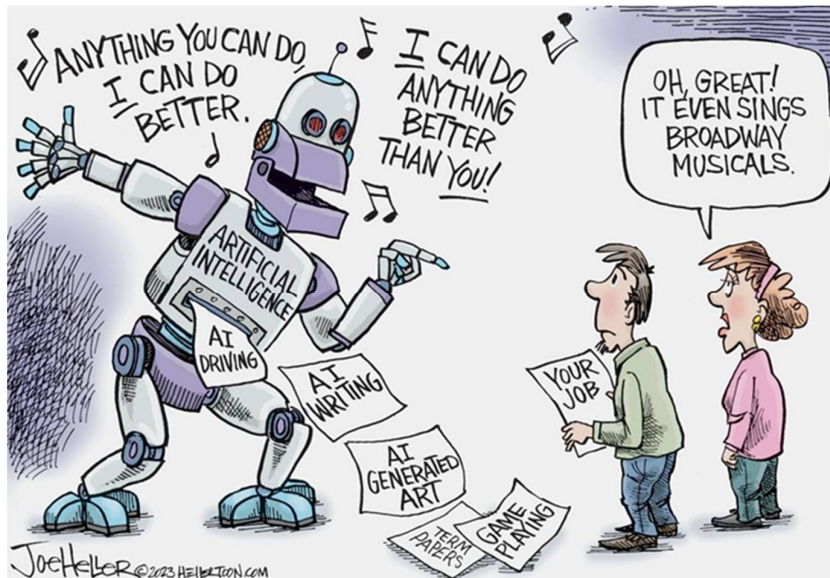
Read this carefully. It may help you answer some of the questions.

Artificial Intelligence (A.I.) refers to the use or study of machines that has some qualities that the human brain has, such as the ability to recognise or create images and learn from data supplied to them. A well-known example of A.I. is ChatGPT owned by the company OpenAI. The use of A.I. is becoming increasingly common because of the numerous benefits it brings about. Unlike humans, AI technology can process large amounts of data efficiently, which may make it better in performing certain tasks than people.

This is exactly why some people are worried that A.I. could replace their jobs in the future. Some also worry about the role of A.I. in the arts industry. In the area of creativity and writing, overreliance on A.I. diminishes human qualities. Others worry about the negative impacts of A.I. if fallen into the wrong hands.

Study the following sources to find out if we should be concerned about the rise of Artificial Intelligence.

Source A: A cartoon published in an American online newspaper in April 2023.



*Broadway musicals – refer to live musical performances

Source B: *An excerpt from an interview with OpenAI Chief Executive Officer (CEO) Sam Altman in 2023.*

The company Microsoft chose to partner with Altman's OpenAI to integrate its technology into Bing search. ChatGPT's programming prowess has already made a mark on many developers. It already functions as a "co-pilot" for programmers. The CEO acknowledged that it would mean many people would lose their jobs but said it would represent an opportunity to come up with a better kind of job.

"However, we do worry a lot about authoritarian governments developing artificial intelligence technology," Altman said. Years before Russia's invasion of Ukraine, Russian President Vladimir Putin said whoever becomes the leader in A.I. technology "will be the ruler of the world." Altman called the comments "chilling".

"Now that they're getting good at writing computer code, models could be used for offensive cyberattacks," he said.

Source C: *An excerpt from the website of Terranova Security, a company which specialises in providing cybersecurity training, October 2023.*

As A.I. quickly leaks into the business landscape, it has also been the subject of criticism. Recently, news reports have revealed that many global businesses are considering or have already implemented a ban on using ChatGPT and other A.I. applications within the workplace due to concerns over data privacy. But A.I. has become a powerful tool in the fight against cyber threats as it can help detect, analyse, and respond to malicious attacks faster. A.I. algorithms can recognise patterns that may be difficult for the human eye to spot, leading to more accurate detection of malicious activity.

Staying ahead of cyber security threats can seem daunting. Combining A.I. with the human factor is key to staying secure and compliant in a digital world.

Source D: *Adapted from an article titled, "The impact of A.I. on Singaporean Journalists: Voices from the Frontlines," published online, December 2022.*

"I've been a journalist for over 30 years," but nothing compares to the impact A.I. has on our profession." says John, a freelance journalist in Singapore. "

"I'm not comfortable with the idea of A.I. taking over our jobs. Journalism is a human endeavour, and it's important for us to have a personal touch. A.I. may be able to mimic human writing, but it doesn't have the same heart and soul. And I hope publishing companies recognise that," said John.

A.I. can write articles, editing and fact-checking with a level of accuracy and speed that far surpasses the human journalists. This has sparked a heated debate among Singaporean journalists. They argue that A.I. will bring benefits such as processing large data and identifying trends, while others fear that it could lead to mass unemployment and loss of creativity.

Source E: *From an interview with Alan Walker, a famous musician, who started making music using his laptop and used A.I. to sing in his latest music video, published on 31 May 2024.*

I don't think we should be too afraid to embrace these new tools and see how they can help us, rather than replace us. I think you can use A.I. as a very creative tool. For example, if I'm not strong in coming up with an idea or melody, or I'm trying to improve a melody, I could use a tool to help me overcome this challenge or when I am seeking creativity. It's all about using it in the correct way so you can still have the human touch in music, which A.I. can't create. For the time being, all I'm trying to do is show how you could effectively use it to build your own songs and use it as a tool and not a weapon in the industry.

Source F: *A comment on public online forum, Reddit, in response to the topic 'Artificial Intelligence (A.I.) Music and Art: You won't be replaced anytime soon', posted on 31 March 2024.*

I think it's naive to believe that businesses won't resort to using A.I. to generate soundtracks. Why pay an actual artist a licensing fee to use their song in a commercial or on a show when you can generate one that sounds similar enough. Businesses already instruct composers to replicate famous songs because they can't afford the licensing fees (for the original singer or composer) to get that song, so they have a composer make one that sounds similar. So now, instead of having a human get paid to do that, we'll have A.I. doing that. A.I. isn't going to replace human musicians, but in future, it's going to 'cut' them out of opportunities to collect licensing fees that they have now because businesses just don't have the budget for a human composer.

Section B (Structured-Response Questions)

Answer **both** questions.

Exploring Citizenship and Governance

Study the extracts carefully and then answer the questions.

Extract 1

"Today, we are an aged society; soon, we will be a 'super-aged' society. This has massive social and economic implications. We have much to do to help our seniors age well."

Prime Minister Lee Hsien Loong, 2023

Extract 2

Community groups can play an active role from the ground up in strengthening the sense of belonging of fellow citizens by building their attachment to a place.

Extract 3

The government can provide every citizen with a stake in the country's affairs and funding to strengthen citizens' sense of belonging.

- 6 Extract 1 shows concerns of how Singapore is becoming 'a super-aged' society.

In your opinion, how can we help the elderly in Singapore age well? Explain your answers using two strategies. [7]

- 7 Extracts 2 and 3 show the role that community groups and the government play in strengthening citizens' sense of belonging in Singapore.

Do you think community groups have a more important role to play than the government in working to strengthen citizens' sense of belonging? Explain your answer. [8]

End of paper

Copyright Acknowledgements:

Source A: <https://theweek.com/political-satire/1022837/ai-takeover>

Source B: <https://www.cnn.com/2023/03/20/openai-ceo-sam-altman-says-hes-a-little-bit-scared-of-ai.html>

Source C: <https://www.terranovasecurity.com/blog/ai-in-cyber-security>

Source D: <https://www.ricemedia.co/the-impact-of-ai-on-singaporean-journalists-voices-from-the-frontlines/>

Source E: <https://www.asiaone.com/entertainment/use-it-tool-not-weapon-norwegian-dj-alan-walker-using-ai-creating-music-walkerworld>

Source F: https://www.reddit.com/r/musicproduction/comments/1c4p9iff/ai_music_and_art_you_wont_be_replaced_anytime_soon/