CEDAR GIRLS' SECONDARY SCHOOL
PRELIMINARY EXAMINATION 2025
SECONDARY FOUR

CANDIDATE NAME

CLASS

INDEX NUMBER

HUMANITIES

Paper 1 Social Studies

2260/01
2261/01
2262/01

25 August 2025
1 hour 45 minutes

Additional Materials: Answer Booklet

READ THESE INSTRUCTIONS FIRST

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

Section A
Answer **all** questions.

Section B
Answer **both** questions.

Before the start of the examination, detach the cover sheet and staple it on top of the writing paper provided.
Write all answers in this answer booklet and check that all writing sheets are properly fastened.
The number of marks is given in brackets [ ] at the end of each question or part question.

This document consists of **9** printed pages, **1** blank page and **1** cover page.

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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 which you are told to use. In answering the questions, you should use your knowledge of the issue to help you interpret and evaluate the sources.

1. Study Source A.

Do you think the author supports the integration of Artificial Intelligence in our daily lives? Explain your answer using details from the cartoon. [5]

2. Study Sources B and C.

How different are the two sources? Explain your answer. [6]

3. Study Source D.

How useful is Source D as evidence about the use of Artificial Intelligence in the music industry? Explain your answer. [7]

4. Study Sources E and F.

Having read Source E, are you surprised by Source F? Explain your answer. [7]

5. 'The introduction of Artificial Intelligence is beneficial for individuals.'

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

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How has Artificial Intelligence (AI) changed the way we live in a globalised world?

BACKGROUND INFORMATION

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

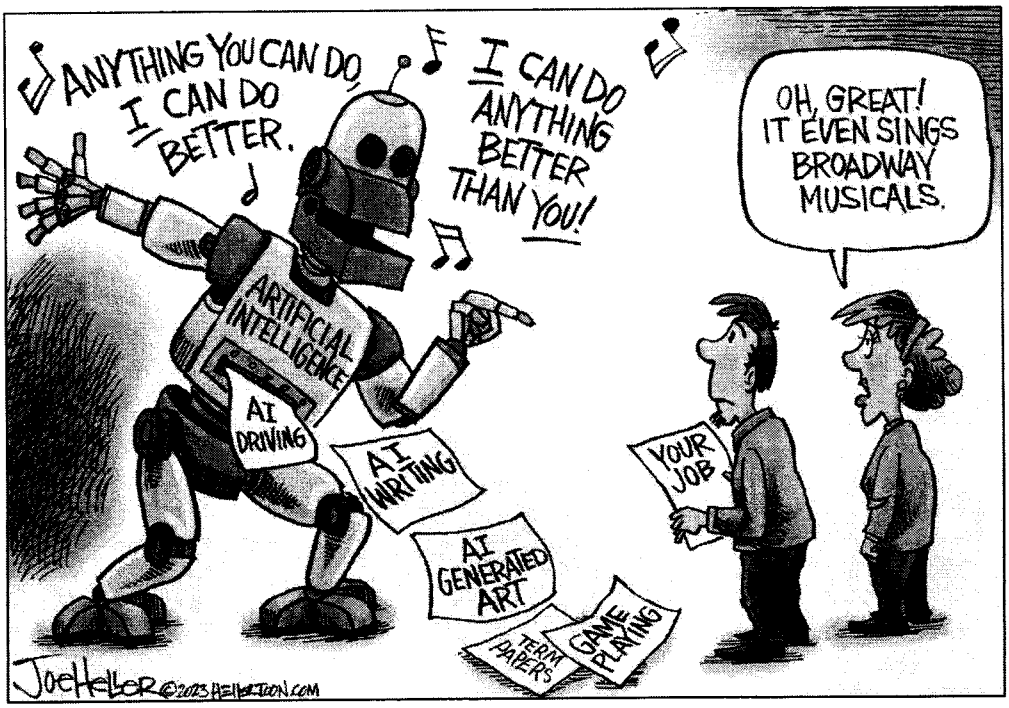
Artificial Intelligence (AI) is becoming a key part of our daily lives, from personalised music suggestions and voice assistants to online shopping algorithms and fraud detection in banks. More than just a helpful tool, AI is also changing the way businesses operate, how people communicate, and how countries interact with one another. In doing so, it is helping to connect economies and spread information faster across borders, making it a powerful force driving globalisation.

However, this growing influence also brings challenges. AI can deepen global inequalities, replace jobs through automation, and be used to spread fake news. These problems affect people across the world, especially in countries that may not have the resources or laws to manage such rapid change.

Read the following sources to help you decide if AI creates more benefits or problems for the world.

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Source A: *An online cartoon, published April 2023.*



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Source B: *A 2023 interview with Associate Professor Ben Leong, Director of Singapore's AI Centre for Educational Technologies (AICET). He also serves as the Chief Data Officer (Technical) at AI Singapore.*

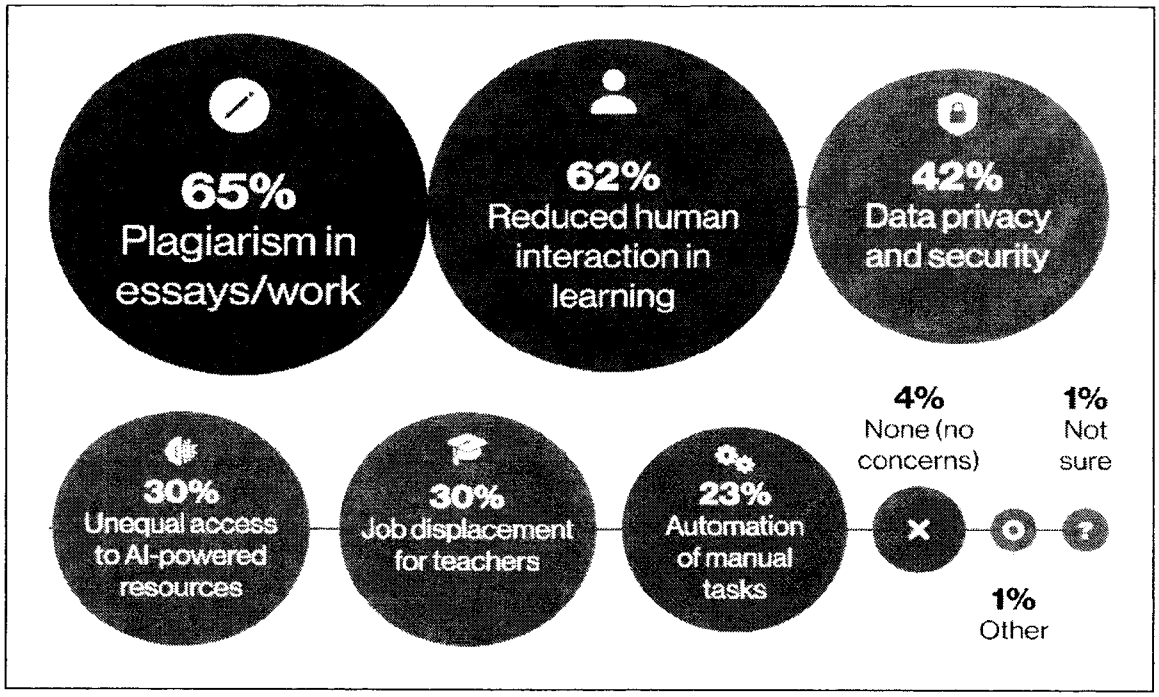
The launch of AI chatbot ChatGPT in November 2022 took the world by storm. In the United States, public schools in New York City and Seattle have already banned access to ChatGPT, citing concerns that the tool could negatively affect student learning and encourage plagiarism.

On the other hand, teachers in Singapore have started integrating ChatGPT responses into lessons, asking students to evaluate the chatbot's answers to strengthen their critical thinking and writing skills. While the programme today can provide preliminary inputs and feedback, teachers will still need to review the AI's responses before it is ready for the students.

AI is also being trialled in exam grading. Grading exam scripts is traditionally tedious and prone to human error, as teachers manually tally scores for each question. Today, AICET's SoftMark programme allows teachers to scan exam scripts, mark them digitally on a tablet, and AI automatically tabulates scores. This saves time and ensures greater accuracy.

AICET was established on 18 Dec 2020, by the Smart Nation and Digital Government Office (SNDGO) and Ministry of Education (MOE).

Source C: *Results of a survey by Forbes, a global media company, showing the teachers' views on the use of AI in schools, published in 2023.*



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Source D: *A fan club President's comment about MAVE, an AI K-pop group, posted in 2024, on an international music discussion forum.*

I think MAVE is fantastic, and I would invest if given the chance. I love their music, vision, and how they've embraced the virtual space. It's great that the artists behind MAVE can use their talents and still live normal lives – free from invasive scrutiny, toxic fandoms, and career risks tied to personal relationships.

When PSY introduced K-pop globally with *Gangnam Style*, it wasn't to break into the West – it just worked because the music was vibrant and original. But today, the industry feels more focused on appearances and one-sided fan relationships than on music.

Virtual idols like MAVE could mark a return to what made K-pop great: the music. With fewer personal intrusions, artists can focus on creativity, collaborate freely, and avoid the industry's darker side. That gives me hope that K-pop can evolve for the better, with AI opening new, healthier possibilities for artists and fans alike.

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Source E: *From a speech by Senior Minister of State for Digital Development and Information, Mr Tan Kiat How, at DBS "Live Fulfilled" employee carnival in July 2022.*

The government is taking active steps to help companies, workers, and citizens harness the potential of AI. It is investing in infrastructure and building an ecosystem that supports AI adoption. To assist small businesses, programmes like *SMEs Go Digital* provide funding to help them adopt advanced digital tools. Cybersecurity is also a key focus, with support offered to both large and small businesses to defend against online threats.

Beyond businesses, workers are also being trained to use AI effectively. I believe AI will not replace human workers entirely, as it cannot perform all tasks. For instance, while AI can generate code, it still needs humans to decide what the code should do and ensure its accuracy. Although job roles may change, I am confident that in Singapore, where manpower is limited, there will always be employment opportunities.

Source F: *An account by Jacky Tan, a freelance marketing consultant-turned-cook in Singapore, shared in 2023.*

For over 15 years, I helped mainly small-and-medium-sized businesses raise their profiles through marketing campaigns. But everything changed when the COVID-19 pandemic hit. Consumers weren't spending, goods weren't moving, and marketing quickly dropped to the bottom of everyone's priority list.

After the pandemic ended, I thought things would bounce back. But a new disruption came almost overnight: generative artificial intelligence. Tools like ChatGPT began to flood the market, and suddenly, prospective clients were convinced they could do their own copywriting and marketing content with AI. That's when things got really difficult. Clients either rejected my proposals or used as a bargaining chip to push for lower prices. Some would even "threaten" me – saying if I didn't accept their offer, they'd just use AI to do the work instead.

I gave in a few times, but it always left me frustrated. The pay was so low, it didn't justify the hours or effort I was putting in.

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SECTION B: Structured Response Questions

Answer **both** questions.

Exploring Citizenship and Governance

Study the extracts carefully, and then answer the questions.

Extract 1



The picture shows lab-grown meat sold to the public. As of 2022, Singapore has lured around 30 companies working on alternative food.

Extract 2

Singapore's approach towards social support has evolved over the years, as the government continues to do more to support disadvantaged and vulnerable groups.

Extract 3

Making a difference in the community doesn't have to be complicated or time-consuming. By taking simple, practical steps, such as volunteering, we can contribute to creating a better, more connected, and supportive environment for everyone.

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6 Extract 1 shows Singapore cultivating alternative food sources, such as lab-grown or plant-based meat.

In your opinion, why has the government introduced such alternative food sources? Explain your answer using **two** reasons. [7]

7 Extracts 2 and 3 show how government and citizens help to address needs in society.

Do you think the government has a more important role in addressing societal needs than the citizens? Explain your answer. [8]

End of paper

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Copyright Acknowledgements

Source A: https://politicalcartoons.com/cartoon/273867/artificial-intelligence
Source B: https://govinsider.asia/intl-en/article/3-ways-Singapore-is-trialling-AI-in-education
Source C: https://www.aiprm.com/en-au/ai-in-education-statistics/
Source D: https://www.reddit.com/r/kpopthoughts/comments/10mbjqc/mave_and_virtual_idols_a_discussion_on_the_good/
Source E: https://www.businesstimes.com.sg/singapore/no-one-be-left-behind-singapores-ai-push-says-tan-kiat-how
Source F: https://www.channelnewsasia.com/today/big-read/generative-ai-disrupt-jobs-prepare-5027576
Extract 1: https://www.dailysabah.com/life/food/even-after-green-light-lab-grown-meat-yet-to-take-off-in-singapore?gallery_image=undefined#big

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2025 Sec 4 SS Preliminary Examination
Suggested Answer Scheme

Q1	**Study Source A.** **Do you think the author supports the integration of AI into our daily lives? Explain your answer using details from the cartoon.**	**[5]**
	Skill: Inference	
Level	**Descriptor**	**Marks**
L1	**Lifting / Describes the cartoon without addressing the author's support** E.g. The cartoon shows a robot representing AI doing many things that humans do. E.g. The cartoon shows that AI is replacing many human tasks such as writing, driving, and even singing. Or E.g. A man is holding a paper labelled "Your Job," suggesting fear of job loss.	**1**
L2	**Addresses author's attitude (Support), explained** E.g. He is supportive of AI being integrated into our daily lives as the robot could do many tasks that human could do – AI makes work more efficient and productive.	**2**
L3	**Addresses author's attitude (Does Not Support), not explained** E.g. He is not supportive of AI taking over many human jobs. E.g. He is critical about AI being integrated in our daily lives as the people in the cartoon are worried/feeling insecure about losing their livelihoods to machines.	**3**
L4	**Addresses author's attitude (Does Not Support) due to the Impact AI has on Man, explained** *Award 5 m for showing significance to the AI issue and impact on the people, supported* E.g. [4 m] **He is critical of AI being integrated into daily life as it threatens human jobs and creativity.** The robot labelled "Artificial Intelligence" proudly says, "Anything you can do, I can do better," showing AI outperforming humans. The man holding a paper labelled "Your Job" reflects concerns of unemployment, while the woman's remark about the robot singing musicals highlights how even creative roles are being taken over. This shows the cartoonist's concern that AI's rise may disadvantage people. E.g. [5 m] **He is not supportive of AI being integrated into our daily lives, as the cartoon highlights how AI is increasingly replacing human roles and making people feel redundant.** The robot labelled "Artificial Intelligence" boasts "Anything you can do, I can do better," showing how AI is not just matching but surpassing human abilities. The man clutching a paper labelled "Your Job" reflects widespread fears of unemployment and displacement, while the woman's sarcastic remark about AI singing musicals reinforces how even creative and uniquely	**4-5**

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	human domains are under threat. This suggests the cartoonist is warning that over-reliance on AI could diminish human value, creativity, and control, leading to broader social and economic disruption. By portraying AI as a double-edged sword that prioritises efficiency at the expense of human dignity, the cartoonist shows clear disapproval of AI's growing presence in everyday life.	

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Q2	**Study Sources B and C.** **How different are these two sources? Explain your answer.**	[6]
	Skill: Comparison	
Level	**Descriptor**	**Marks**
L1	**Similar OR Different based on Provenance/Topic** E.g. The sources are different because Source B is a text/speech source while Source C is a diagram/survey result. E.g. The sources agree because they talk about the impacts of Artificial Intelligence in education.	**1**
L2	**Similar OR Different due to False Matching** E.g. The sources are different because Source B focuses mainly on problems and risks of AI, such as privacy, inequality, and loss of human interaction while Source C does not mention any of these. E.g. They are different as Source B describes specific actions: banning AI in U.S. schools in fear of plagiarism/cheating yet Singapore teachers use AI such as ChatGPT to encourage critical thinking, and the SoftMark grading tool to ease their workload but this is not seen in Source C.	**2**
L3	**Similar OR Different based on Content, supported** *Award 4 m for a fully-developed answer.* Similar: Both sources highlight concerns about using AI in education. Source B shows how schools in the U.S. have banned ChatGPT due to fears that it may negatively affect learning and encourage plagiarism. This is supported by Source C which shows teachers' concerns over plagiarism in essays (65%). OR Both sources show AI positively affecting teachers' work, as shown in Source B, which mentions AI being used to "assist teachers in grading exams, reducing the manual workload." This is supported by Source C which includes concerns about 23% automation of manual tasks." Such impacts could free teachers to plan and prepare lessons better. Different: Source C is mostly negative while the author in Source B is more positive in the uses of AI. He highlights positive uses, especially in Singapore, where AI is used to enhance learning and support teachers. However, in Source C, the diagram focuses mainly on problems and risks of AI, such as privacy, inequality, and loss of human interaction.	**3-4**
L4	**Agree AND Disagree in content, with valid match. Both aspects of L3.**	**5**
L5	**Difference based on Tone** E.g. The tone in Source B is optimistic/constructive view of AI in education. The author acknowledges global concerns, such as the banning of ChatGPT in U.S. schools and fears of plagiarism, but contrasts this with Singapore's proactive approach, where teachers are encouraged	**6**

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	to harness AI tools like ChatGPT to develop students' critical thinking. In contrast, Source C (diagram) reflects a more cautious and anxious tone, where the majority of teachers highlight plagiarism (65%) and reduced human interaction (62%) as their top concerns. These results suggest discomfort towards AI's role in education. **OR Difference based on Purpose** E.g. Source B is from Ben Leong, who as Director of AICET and Chief Data Officer of AI Singapore, aims to reassure and inform the readers from policymakers, educators, and the wider public who may be uncertain about the role of AI in schools. He believes that artificial intelligence (AI), when thoughtfully implemented, can positively enhance education. The author's message is that AI should not be feared or banned outright, but rather harnessed to support both teachers and students. This is seen in examples such as ChatGPT being used to improve students' critical thinking, and the SoftMark programme helping teachers reduce manual grading errors. The interview hopes to build public trust in Singapore's responsible approach to AI in education and encourage adoption of these tools. His role requires a deep understanding of the risks, but also compels him as Director, to develop safeguards to mitigate any risks before rolling out AI to schools. E.g. However, Source C seeks to highlight the concerns and reservations teachers have about AI, particularly its possible negative impact on the classroom. The diagram likely targets education authorities, school leaders, and edtech developers, with the purpose of prompting caution and further discussion before AI tools are widely adopted. The message conveyed is that a significant number of educators are apprehensive, with 65% fearing increased plagiarism and 62% worried about reduced human interaction. Hence, the expected outcome is a more careful and reflective approach to AI integration, possibly leading to demand for stronger ethical guidelines and teacher training, before AI is rolled out.	

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Q3	**Study Source D.** **How useful is Source D as evidence about the use of Artificial Intelligence in the music industry? Explain your answer.**	[7]
	Skill: Evaluation (Utility)	
Level	**Descriptor**	**Marks**
L1	**Describes the source** E.g. The source talks about AI and its challenges in the music industry. E.g. It shows that some people like/do not like AI being used in music.	**1**
L2	**Useful or Not Useful, based on Provenance / Typicality / Missing Critical Information** E.g. Useful as Source B is a personal account written by a K-pop fan club president. E.g. Not useful as it is made by just one person and does not represent the wider population. E.g. Not useful because it lacks official data or insights from producers, idols, or entertainment companies.	**2**
L3	**Useful, based on content, supported** *Award 3 m for limited/incomplete supporting evidence* E.g. [4 m] The source is useful in showing how AI can bring positive changes to the K-pop industry as supported by how "the artists behind MAVE can use their talents and still live normal lives – free from invasive scrutiny, toxic fandoms, and career risks tied to personal relationships." This suggests that AI can help protect the privacy and well-being of those involved in the industry. E.g. [4 m] The source is useful as AI might shift the focus back to music and creativity. This is because currently, the K-pop industry today is "more focused on appearances and one-sided fan relationships," but with virtual groups like MAVE, it could lead to "a return to what made K-pop great: the music." This shows that AI might help the industry move away from its current pressures and create a healthier space for creativity.	**3-4**
L4	**Both aspects of Useful AND Not Useful on content, supported**	**5**
L5	**Useful / Not Useful, checking on Reliability by Cross-Referencing to Source A** E.g. The source is useful as AI might shift the focus back to music and creativity. This is because currently, the K-pop industry today is "more focused on appearances and one-sided fan relationships," but with virtual groups like MAVE, it could lead to "a return to what made K-pop great: the music." This shows that AI might help the industry move away from its current pressures and create a healthier space for creativity. When cross-referenced with Source A, Source D becomes more reliable as both sources address the impact of AI on creativity and human roles. While Source A warns that AI may displace humans in areas such as art and music, Source D shows that some people view this shift positively, as it	**6**

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	allows artists to avoid toxic fandoms and focus on producing music. Since both highlight the significant influence AI has on creative industries, even if from opposing perspectives, this cross-checking strengthens the reliability of Source D by showing it reflects its positive opinion.	
L6	**Useful due to Reliability of Provenance** *Award 6 m for using Significant role of Provenance* *Award 7 m for showing the Perspective of Provenance* E.g. The source is useful as the fan club president's purpose in writing her views on an international music forum is to represent the views of fans who support AI-generated groups like MAVE / share about how the music industry is changing or improving. She aims to promote acceptance of AI idols within the K-pop community and challenge traditional views that idol success must rely on real-life appearances or celebrity personas. This is seen in how she highlights the benefits of AI in letting artists "live normal lives – free from invasive scrutiny, toxic fandoms, and career risks." Her intention is to show fellow fans that AI can preserve what really matters – the music and creative artistry—while avoiding the toxic sides of fandom culture. **Useful due to Perspective from a fan club president of K-pop on AI Idols** E.g. As a fan club president, her desire is to protect both idols and the quality of fan experiences. She believes that AI groups can solve many problems in K-pop, like pressure on idols and toxic fan behaviour. She thinks AI will help bring K-pop back to its roots—focusing on music, talent, and creativity, not just appearances or gossip. Her support for MAVE shows she sees AI idols not as a threat, but as a way to evolve the fandom into something more respectful and music-focused.	**6-7**

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Q4	**Study Sources E and F.** **Having read Source E, are you surprised by Source F? Explain your answer.**	**[7]**
	Skill: Comparison (Hybrid – surprise)	
Level	**Descriptor**	**Marks**
L1	**Answers using source content of Source E or F without the element of Surprised or Not Surprised** E.g. Source E is about government support to SMES, workers and citizens in the form of workshops and fundings to cushion the impact of AI. E.g. Source F is about how AI has cost a marketing consultant his job.	**1**
L2	**Surprised or Not Surprised, based on content of E or F only** E.g. Source E is not surprising because even with AI, "there will always be employment opportunities." Hence, AI will not take away jobs from the workers or businesses. E.g. Source F is not surprising because AI "could do the work instead" if he did not accept their job offer. Hence the incidence of not being hired is higher when "tools like ChatGPT began to flood the market."	**2**
L3	**Surprised or Not Surprised based on matching content of E and F** *Award 3 m for valid similarity/difference* *Award 4 m for supporting evidence provided* Content Similarity = Not Surprising Content Difference = Surprising E.g. [3 m] It is not surprising as both Sources E and F show support for SMEs with AI. In Source E, SMEs get help in the form of the adoption of digital tools, while in Source F, SMEs use the same tools to bargain down or reject Jacky's services. Hence, it is not surprising that Source E's support for SMEs indirectly enables the behaviour described in Source F, i.e. using AI to reduce costs and dependence on consultants. E.g. [4 m] I am not surprised by Source F as both sources are similar in terms of AI adoption in businesses. Source E says that the government supports AI adoption through infrastructure and funding, as seen in "SMEs Go Digital". This is also seen in Source F where businesses now "rely on AI tools like ChatGPT" for their own marketing tool. As they both show that AI is being adopted widely in companies, with government in Source E encouraging businesses to use AI, it is logical too that SMEs in Source F use AI too, at the expense of hiring consultants. E.g. [4 m] Sources E and F are surprising in terms of confidence in employment. Source E is confident that "jobs will remain even if roles change," but Source F shows that Jacky experiences job insecurity, underpayment and frustration by the treatment given by his prospective employers. This shows a mismatch between government policy and the current reality.	**3-4**

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	E.g. [4 m] Sources E and F are surprising because Source E implies that skilled workers will remain relevant, but Source F shows that even experienced professionals are devalued due to AI. This is evident in Source E where there was an "emphasis in training workers to work alongside AI" but Jacky, with 15 years of work experience, felt his value is diminished with the onset of AI.	
L4	**Both aspect of L3**	**5**
L5	**L3 + Not Surprised, based on CR to Other Sources** *CR to other sources to check on Source E or F or both* E.g. It is not surprising of Source F as it is supported by Source A, "where robots labelled as "AI" could do jobs of humans, "better." The man holding on to the paper labelled "jobs" looked anxious, suggesting that he might be replaced. At the same time, Source F also shows that Jacky experiences job insecurity, underpayment and frustration by the treatment given by his prospective employers. It is not surprising that despite being capable in their jobs, they can be easily replaced by AI.	**6**
L6	**Not Surprised, based on Provenance and Purpose of Sources E and F** *Award 6 m for 1 fully developed answer on 1 source (supported)* *Award 7 m for 2 fully developed answers on 2 sources (supported)* E.g. Source E is a speech by Senior Minister of State Mr Tan Kiat How at a corporate event, where his role as a government representative influences the way he presents the information. His speech is aimed at reassuring the public and businesses that the government is taking proactive steps to harness the potential of AI while maintaining employment opportunities. This perspective is shaped by his position, which requires him to promote confidence in government policies and emphasise the benefits of digital transformation. Hence, Source E is not surprising. E.g. Source F is a personal account by Jacky Tan, a former marketing consultant turned cook, reflecting his personal experience with the disruptive effects of AI. He sounds emotional while highlighting the challenges and income loss he faced when clients began using generative AI tools like ChatGPT instead of hiring his services. This reveals how technological change can lead to job insecurity and undervaluing of skilled labour, making Source F not surprising too.	**6-7**

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<table>
<tr><td>Q5</td><td>'The introduction of AI is beneficial for individuals.'

Using the sources in this case study, explain how far you would agree with this statement.</td><td>[10]</td></tr>
<tr><td></td><td>Skill: Assertion</td><td></td></tr>
<tr><td>Level</td><td>Descriptor</td><td>Marks</td></tr>
<tr><td>L1</td><td>Writes about the statement, no valid source used</td><td>1</td></tr>
<tr><td>L2</td><td>Yes OR No, supported by source use

Award 2 marks for identifying and explaining 1 fully developed source.
Award 3 marks for identifying and explaining 2 fully developed sources.
Award a max. of 4 marks for identifying and explaining 3 or more sources from the same side.</td><td>2-4</td></tr>
<tr><td>L3</td><td>Yes AND No, supported by valid sources

Award 5m for use of 1 source from each side.
Award 6m for use of 2 sources from 1 side and 1 source from another side.
Award 8m for use of 2 sources from each side.

<table>
<tr><th>Agree – Benefit</th><th>Disagree – Does not benefit</th></tr>
<tr><td>Source B – teachers: automation improves efficiency and cuts down human errors.

For students: AI hones critical thinking and writing skills.</td><td>Source A – threatens human roles and creates anxiety about the future of work.
"Anything you can do, I can do better," while listing tasks it can perform: drive, write, paint, and sing. This makes humans seem replaceable. The man holding the paper labelled "Your Job" reflects people's fear of losing jobs to AI.</td></tr>
<tr><td>Source D – idols/singers: privacy to real artists; separate work vs private lives. Protects mental health, promote artistic freedom. AI groups like MAVE allow artists to be creative while living "normal lives – free from invasive scrutiny, toxic fandoms, and career risks."

For fans: more creativity in music and enjoyment for fans.</td><td>Source B – students who cheat and "plagiarise" their work affecting their academic integrity; teachers who might lose their jobs due to automation.</td></tr>
<tr><td>Source E – workers: trainings provided so that they continue to be employable especially when AI cannot carry out tasks involving decision-making or ensuring accuracy.</td><td>Source F – worker: lost his job as businesses prefer to use AI to cut cost "pay was so low, it didn't justify the hours or efforts I was putting in."</td></tr>
</table>
</td><td>5-8</td></tr>
<tr><td>Bonu</td><td>To score additional 2 marks, candidates will need to either:</td><td>2 m</td></tr>
</table>

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s	**Analyse at least one source in relation to its reliability, utility or sufficiency** Source E is useful as it shares with the general public on the government's plans to help people harness AI to remain relevant and employable. SMEs will learn that programmes and fundings will provide them with the resources to embrace AI such as automation e.g. hawkers now use Paynow for cashless transactions for payments, etc. Source B lacks sufficiency as all the examples used are based on events/experiences that took place in South Korea. It would have been more credible if he could provide data to support her points of view on the level of reception that AI K-pop groups receive and whether there was work-life balance for the artists behind the AI idols. **By giving a balanced conclusion/resolution** AI can be beneficial yet harmful. One solution to ensure that AI remains beneficial without creating challenges to individuals will be through clear regulations and responsible human oversight. For example, in education, AI tools like ChatGPT can be used to develop students' critical thinking when teachers guide them to analyse and evaluate AI-generated responses, rather than using them to copy answers. In the workplace, AI can automate tedious tasks, but human supervision is needed to ensure fairness in hiring algorithms or decision-making tools. OR Governments and organisations can also set rules to protect personal data and prevent the spread of harmful deepfakes or misinformation. For instance, Singapore's use of the SoftMark grading tool, which speeds up exam marking while keeping teachers in control, preventing over-reliance on machines. With the right safeguards and training in place, AI can empower people rather than replace them, leading to improved learning, safer technology use, and positive outcomes for all. **Provide contextual knowledge** I agree with Source E. While AI can be daunting especially for the elderly or those who are not technologically savvy, there are many pop-up stations set up at community centres or public libraries on how they can utilise AI. These are usually run by Digital Ambassadors or volunteers. Those who signed up for the programmes get to learn how to utilise programmes such as Gemini AI so that they can get their information accurately and reliably. I disagree with Source E. While the government rolls out 'SMEs Go Digital' or other similar programmes on AI, SMEs may not be willing to sign pup its workers/workers may not be willing to attend. As the manpower is usually small in SMEs, taking time-off from work to attend such courses may affect the productivity of the company and hence they may forgo the programme unless the company and workers are offered better incentives to entice them to attend.	

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Q6	**Extract 1 shows Singapore cultivating alternative food sources, such as lab-grown or plant-based meat.** **In your opinion, why has the government introduced such alternative food sources? Explain your answer using two reasons.**	**[7]**
	Skill: Opinion-piece based on a given issue	
Level	**Descriptor**	**Marks**
L1	**Describes the topic**	**1-2m**
L2	**Identifies/Describes the reasons** *Award 2 m for identifying one reason, 3 m for two reasons.* *Award 3 m for describing one reason and 4 m for two reasons.* E.g. [2 m] One reason is to enhance Singapore's food sustainability. [3 m] In Singapore, about 90% of its food is imported, as a result it is exposed to global disruptions such as regional conflicts, export bans and pandemics. E.g. [4 m] To improve Singapore's environmental sustainability, lab-grown meat eliminates current agricultural practices that affect the world today: greenhouse gas emissions, land use, water consumption and biodiversity loss. In the lab, there is no need for space for slaughter, water usage and carbon emission, hence showing Singapore's commitment towards environmental sustainability, protecting the environment while continuing to thrive.	**3-4m**
L3	**Explain how the reasons are significant to Singapore.** *Award 6-7m for explaining one reason.* *Award 7-8m for explaining two reasons.* *Note: Without a strong **description**, outcome will not be accepted.* E.g. One reason is to enhance Singapore's food sustainability. In Singapore, about **90% of its food is imported, as a result it is exposed to global disruptions such as regional conflicts, export bans and pandemics**. By encouraging companies to develop lab-grown meat and plant-based proteins, Singapore would have a higher proportion of locally grown food, which are also grown in controlled environment. For instance, Eat Just, a U.S.-based food technology company, was the first in the world to receive regulatory approval in Singapore in 2020 to sell cultured chicken — meat grown from animal cells without slaughter. It was first served at a restaurant in Singapore under the brand GOOD Meat. As a result, its food source is not affected by weather, diseases or trade limitations. Hence, it has a more reliable and resilient food supply to the people. E.g. Another reason is to improve Singapore's environmental sustainability. Lab-grown meat eliminates **current agricultural practices that affect the world today: greenhouse gas emissions, land use, water consumption and biodiversity loss**. In the lab, there is no need for space for slaughter, water usage and carbon emission. For instance, at scale, it is projected that cultivated meat produced via cellular agriculture requires 95% less land, uses 78% less water, and can reduce greenhouse gas (GHG) emissions by 92% compared to conventional beef production, hence showing Singapore's commitment towards environmental sustainability. This significantly lower environmental	**6-7m**

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	impact makes cultivated beef a more sustainable production method that supplements sustainable segments of animal agriculture.	
	Other responses: - To Strengthen Singapore's Economic Competitiveness - To Enhance Public Health and Food Safety - To Reduce Ethical Concerns Over Animal Welfare - To Diversify Singapore's Food Industry and Consumer Options	

Q7	**Do you think the government has a more important role in addressing societal needs than the citizens? Explain your answer.**	**[8]**
	Skill: Comparison & Evaluation of Content	
Level	**Descriptor**	**Marks**
L1	**Describes the topic (i.e. challenges or factors)**	**1-2m**
L2	**Describe content, additional mark** *Award 3m for describing one factor.* *Award 4m for describing two factors.*	**3-4m**
L3	**L2 with specific examples + Explain the factors** *Award 5-6 marks for explaining one factor. Award 6-7 marks for explaining two factors.* E.g. The government plays a key role in addressing societal needs through policies and initiatives. One example is the Silver Support Scheme, which provides quarterly cash supplements to seniors who had low incomes during their working years. This strengthens their financial security in retirement by topping up their limited savings, **ensuring they can meet their basic living expenses.** Beyond financial assistance, the government also partners with community groups to safeguard and uplift vulnerable groups. For instance, the police collaborated with RSVP Singapore to launch Project Praise, which spreads anti-scam messages through seniors themselves. This peer-to-peer model is effective as seniors may be more receptive to advice from their peers. **By empowering elderly citizens with scam-prevention knowledge, they are better equipped to protect their hard-earned savings and enjoy greater peace of mind in their retirement years.** [6m] E.g. Citizens also play an essential role in addressing societal needs by contributing their time, skills and experiences to support others. For example, Mdm Malligesvari volunteers through RSVP Singapore and conducts the Age Well Everyday (AWE) programme, which teaches seniors to stay healthy through exercise and brain-stimulating activities. This directly improves their physical and cognitive well-being, helping to **reduce risks such as dementia**. In addition, she serves as a Befriender at Lions Home for the Elders, where she provides companionship and emotional support to residents. This helps meet the elderly's social needs **by reducing loneliness and strengthening their sense of belonging, which in turn enhances their mental health and overall quality of** Such individual contributions demonstrate how active citizenship complements government efforts by filling emotional, social, and personal support gaps, fostering a more inclusive and caring society.	

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L4	**L3 + Explains relative importance** E.g. L3 + I think it can be an interdependent relationship where the government plays a more important role and the individuals, a supporting role. While a government can establish a legal system, but it relies on individuals (judges, lawyers, and citizens) to uphold it. Likewise, individual efforts are often limited in scope without the broader, structural support that only a government can provide. Therefore, neither is more important than the other; a healthy and thriving society requires both a capable a government to create the conditions for success and responsible, engaged individuals to make the most of those conditions. OR The government has **greater relative importance** in addressing societal needs because it has the **authority, resources, and nationwide reach** to implement large-scale and sustainable initiatives. For example, through the **Silver Support Scheme**, the government is able to systematically provide financial support to thousands of seniors, something that individual citizens may not have the capacity to do. Similarly, initiatives like **Project Praise** benefit from government–community partnerships, where the state sets direction, provides resources, and ensures coordination. This top-down influence ensures consistency and fairness in meeting needs across the population. **Outcome:** Government action lays the foundation for societal well-being by ensuring equity, scale, and sustainability of support. Without such structural interventions, many vulnerable groups would remain underserved. While the government provides the framework, citizens contribute in **personalised and community-based ways**. For instance, **Mdm Malligesvari's volunteering** directly impacts seniors' health and emotional well-being through care and companionship. However, the reach of such individual efforts is more limited compared to government-led programmes. **Outcome:** Citizens' actions complement government efforts by addressing the human touch and emotional support that policies alone cannot provide. Although both factors are necessary, the **government's role holds higher relative importance** because it ensures that needs are met systematically and equitably at the national level. Citizens play a vital supporting role in adding depth, empathy, and personal connection, but these efforts often depend on the structures and opportunities created by the government.	**8**

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