

# CHIJ ST. THERESA'S CONVENT PRELIMINARY EXAMINATION 2019 SECONDARY 4 EXPRESS / 5 NORMAL (ACADEMIC)

### HUMANITIES

2272/2273/2274

Paper 1 Social Studies

August 2019

**Answer scheme** 

1 hour 45 minutes

### Section A - Source-Based Case Study

**1(a)** Study Source A. What is the message of this illustration? Explain your answer.

[5]

L1	Surface description of the source but no valid message	1
	e.g. Source A is an illustration of water-saving habits.	
L2	Inference of the source Award 2 marks for unsupported inference, and 3 marks for supported inference.  e.g. The message of the illustration is to highlight that cutting down on water usage begins at home. This can be seen in Source A which states that "cutting down a shower by 5 minutes saves 45 litres of water which is equivalent to 30 1.5 litre bottles". This suggests that water-saving habits can first be developed at home.	2-3
L3	L2 + Purpose of the source  Award 5 marks for more fully developed answers with supporting evidence.  e.g. The message of the illustration is to highlight that cutting down on water usage begins at home. This can be seen in Source A which states that "cutting down a shower by 5 minutes saves 45 litres of water which is equivalent to 30 1.5 litre bottles". This suggests that water-saving habits can first be developed at home. By doing so, it is hoped that Singaporeans will be convinced that everyone has a part to play in ensuring the success of Singapore's sustainable water management. It is not only the responsibility of the government but also that of every individual to save water. Hence, its success requires the concerted effort by everyone in the country.	4-5

**(b)** Study Sources B and C. How similar are these two sources? Explain your answer.

[7]

### L1 Similar OR Difference, based on provenance/topic/false matching e.g. Sources B and C are different as Source B is taken from the Business Insider while Source C is taken from The Straits Times. OR e.g. Sources B and C are similar as both are on the topic of Singapore's sustainable water management. OR e.g. Source B tells me that schools took part in a water-rationing exercise but Source C does not. L2 Similarity OR Difference in content unsupported e.g. Sources B and C are similar in telling us about the effort made by the Singapore government to involve people in its campaign to conserve the use of water. OR e.g. Sources B and C are different in telling us about the challenges the government faces in its water management efforts. L3 3-4 Similarity OR Difference in content Award the higher mark for clear similarity or difference with valid supporting evidence from both sources. e.g. Sources B and C are similar in telling us about the effort made by the Singapore government in its campaign to conserve the use of water. Source B states the government's attempt to involve schools. This is evident from "This year's Singapore World Water Day campaign will see 95 schools, including 61 pre-schools taking part in a water-rationing exercise which aims to help students better understand the value of water." This shows the involvement of students in learning about the importance of reducing the use of water. Similarly, Source C also tells us of the government's effort to involve the different sectors of society in taking part in the 2018 World Water Day. This is evident from "PUB's new campaign will be launched at Marina Barrage on 22 March (which has been declared Singapore World Water Day) together with over 2,000 representatives from schools, firms and grassroots organisations." This suggests the participation of many different groups. OR e.g. Sources B and C are different in telling us about the challenges the government faces in its water management efforts. Source B states that the challenge is to make people realise that their small acts of reducing the

use of water is important. This is revealed by President Halimah who said that "Many may not be aware, but taking small steps to minimise water usage can

make a significant contribution in our overall conservation efforts." This shows that the actions of every individual matters in our country's effort towards successful water management. On the other hand, Source C tells us that the challenge is in getting the commitment of the younger generation in conserving water. This is evident from "younger Singaporeans and Permanent Residents (PRs) appear to be less concerned about the sustainability of the country's water supply than older residents aged 55 and above." This shows a need to focus on making the young realise the easy access to water supply and not take it for granted by consciously cutting down on the use of water.

### L4 Similarity AND difference in content

5-6

Award the higher mark for clear similarity and difference with valid supporting evidence from both sources.

e.g. Sources B and C are similar in telling us about the effort made by the Singapore government in its campaign to conserve the use of water. Source B states the government's attempt to involve schools. This is evident from "This year's Singapore World Water Day campaign will see 95 schools, including 61 pre-schools taking part in a water-rationing exercise which aims to help students better understand the value of water." This shows the involvement of students in learning about the importance of reducing the use of water. Similarly, Source C also tells us of the government's effort to involve the different sectors of society in taking part in the 2018 World Water Day. This is evident from "PUB's new campaign will be launched at Marina Barrage on 22 March (which has been declared Singapore World Water Day) together with over 2,000 representatives from schools, firms and grassroots organisations." This suggests the participation of many different groups.

### AND

e.g. Sources B and C are different in telling us about the challenges the government faces in its water management efforts. Source B states that the challenge is to make people realise that their small acts of reducing the use of water is important. This is revealed by President Halimah who said that "Many may not be aware, but taking small steps to minimise water usage can make a significant contribution in our overall conservation efforts." This shows that the actions of every individual matters in our country's effort towards water management. On the other hand, Source C tells us that the challenge is that the "younger Singaporeans and Permanent Residents (PRs) appear to be less concerned about the sustainability of the country's water supply than older residents aged 55 and above." This shows a need to focus on making the young realise the easy access to water supply and not take it for granted by consciously cutting down on the use of water.

### L5 L4 + Similar in terms of purpose of the sources

7

e.g. Sources B and C are <u>similar in purpose</u>. The purpose of both sources is to convince Singaporeans that everyone needs to play a part in conserving water. By doing so, it is hoped that Singaporeans will be more mindful in their usage of water so that, together with the government, we can make a concerted effort to sustain our country's water management.

### (c) Study Source D.

How useful is this source in telling us about Singapore's success in water management? Explain your answer.

[6]

1

2-3

4-5

## 1 Surface description of the source but addressing whether useful/not useful

e.g. Source D is an extract taken from the PUB website on Singapore International Water Week.

### L2 Useful/Not Useful based on content

Award 2 marks for unsupported inference, and 3 marks for supported inference.

e.g. Source D is useful in telling us about Singapore's success in water management through her involvement at the international level. This is evident from "To raise our profile as a global hydrohub, we host the Singapore International Water Week (SIWW) on a biennial basis which is held in conjunction with the World Cities Summit and CleanEnviro Summit Singapore". This shows Singapore's success in its engagement with other countries in dealing with environmental issues, including the sustainability of water supply.

### AND/OR

e.g. Source D is not useful in telling us about Singapore's success in water management as it states Singapore's involvement in various water-related events. This is evident from "Beyond providing an environment for business and research, Singapore plays a key role in forging dialogue amongst the policymakers, water experts and industry leaders on water issues, challenges and solutions." This shows the important role Singapore plays in the discussion of water management issues.

### L3 | L2 + Cross-referencing

Award 4 marks for one cross-referencing and 5 marks for two cross-referencing.

e.g. Source D is useful in telling us about Singapore's success in water management through her involvement at the international level. This is evident from "To raise our profile as a global hydrohub, we host the Singapore International Water Week on a biennial basis which is held in conjunction with the World Cities Summit and CleanEnviro Summit Singapore". This shows Singapore's success in its engagement with other countries in dealing with environmental issues, including the sustainability of water supply. This is supported by Source F which highlights Singapore's partnership with other countries in sustaining our water management. This is evident from the statement that states that Singapore "has managed to not only establish a sustainable domestic supply, but also exporting sophisticated water purification technologies to its international peers.". This shows Singapore's success in its water management effort through her involvement in the international arena.

### AND/OR

Source D is not useful in telling us about Singapore's success in water management as it states Singapore's involvement in various waterrelated events. This is evident from "Beyond providing an environment for business and research. Singapore plays a key role in forging dialogue amongst the policymakers, water experts and industry leaders on water issues, challenges and solutions." This shows the important role Singapore plays in the discussion of water management issues. However, this portrayal of success is contradicted by Source E which highlights a challenge that exists within the country that prevents total commitment of all citizens in contributing towards the conservation of water. This is evident from "More also can be done to understand at what point a young person, who is aware of the importance of water conservation and other similar ethical behaviours when it comes to the environment, forgets what they have internalise. It could pave the way for more inclusive, long-term educational programmes that ingrains an environmentally conscious attitude into the minds of our young." This shows that Singapore has not fully met with success internally as the challenge of a mindset shift of the young to see the need to partake in conservation measures.

### L4 | L3 + Evaluation of Source, including purpose

6

e.g. Source D is useful as it was taken from the PUB website. As the country's the national water agency, it has the responsibility to ensure sustainable water management in the country. As such the source serves to convince Singaporeans that Singapore is coping well in managing the water needs (both current and future) of the people. By doing so, it will gain the trust and confidence of the people, thereby gaining their support.

# (d) Study Sources E and F. After reading Source E, do you think that Source F is inaccurate? Explain your answer. [7]

L1 Answers using provenance but failing to address what is inaccurate

e.g. Source F is an adapted article taken from The Singapore Economic Development Board (EDB).

L2 Decides what is inaccurate/not inaccurate entirely from Source F (i.e. common sense arguments, no use of Source E or other sources/contextual knowledge)

e.g. I think Source F is not inaccurate as the EDB is a government agency responsible for strategies that enhance Singapore's position as a global centre for business, innovation, and talent. The reports published would therefore be reliable.

# L3 Source F is inaccurate/not inaccurate, explained using content of Source F

3

e.g. Source F is not inaccurate as it highlights its measures taken towards sustainable water management. It states that "Today, the country has managed to not only establish a sustainable domestic supply, but also exporting sophisticated water purification technologies to its international peers." Thus, I think Source F is not inaccurate as the government is forward-looking in its efforts to sustain the supply of water both within and beyond the country.

# L4 Source F is inaccurate/not inaccurate based on agreement/disagreement of content of Sources E and F

4

e.g. Having read Source E, Source F is not inaccurate. Source F is not inaccurate as it highlights measures towards sustainable water management. It states that "Today, the country has managed to not only establish a sustainable domestic supply, but also exporting sophisticated water purification technologies to its international peers." Thus it suggests that the government is forward-looking in its efforts towards sustaining the supply of water both within and beyond the country. Similarly, Source E also states measures towards sustainable water management as students contribute their ideas and opinions through surveys done on water-related issues. This is evident from "I have just been interviewed by students interested in water conservation and how to make this a sustainable practice among their families and youths their age. These intelligent, forward-looking students from Catholic Junior College and Raffles Institution had worked on initiatives that are...commendable." This shows that even the young are engaged in discussion about sustainable water management measures. Hence, Sources E and Source F are similar in stating that the country focuses on sustainable water management.

# L5 Source F is inaccurate/not inaccurate on the basis of cross-reference to other sources

5-6

Award the higher mark in the level for more fully developed answers, ie answers with correct inference and valid supporting evidence for all sources.

e.g. Having read Source E, Source F is not inaccurate. Source F is not inaccurate as it highlights measures towards sustainable water management. It states that "Today, the country has managed to not only establish a sustainable domestic supply, but also exporting sophisticated water purification technologies to its international peers." Thus, it suggests that the government is forward-looking in its efforts towards sustaining the supply of water both within and beyond the country. Similarly, Source E also states measures towards sustainable water management as students contribute their ideas and opinions through surveys done on water-related issues. This is evident from "I have just been interviewed by students interested in water conservation and how to make this a sustainable practice among their families and youths their age. These intelligent, forward-looking students from Catholic Junior College and Raffles Institution had worked on initiatives that are...commendable." This shows that even the young are engaged in discussion about sustainable water management measures.

Hence, Sources E and Source F are similar in stating that the country focuses on sustainable water management.

Source F is also supported by Source D which also highlights the active involvement of Singapore in sustainable water management measures. This is evident from "Beyond providing an environment for business and research, Singapore plays a key role in forging dialogue amongst the policymakers, water experts and industry leaders on water issues, challenges and solutions." This shows the strong commitment of the country in ensuring a sustainable supply of water for its people through its engagement at various platforms, both at the national and international levels. Since Source D supports Source F, Source F is therefore reliable and accurate.

### L6 L5 + not inaccurate: explain through provenance and purpose

e.g. Source F is not inaccurate as it highlights the comments of a senior research fellow at the Institute of Water Policy, Lee Kuan Yew School of Public Policy. As an academic researcher in the field, he would be knowledgeable in Singapore's progress and measures taken to ensure sustainable water management. The purpose of his comment is to convince the Singapore government that much more can be done to involve the young by putting their ideas into practice so as to recognise their efforts made.

(e) 'Singapore has taken sufficient water management measures.' Using the sources in this case study, explain how far you would support this statement.

[10]

L1	Writes about statement, no valid source use	1
	e.g. Singapore has taken sufficient measures to ensure sustain water management.	
L2	Yes/No, supported by valid source use Award 2 marks for use of 1 source. Award 3 marks for use of 2 sources. Award 4 marks for use of 3 sources.  Yes, support (Sources: A, B, D and F)	2-4
	e.g. <b>Source A</b> supports that Singapore has taken sufficient water management measures as it reminds Singaporeans about effective ways to reduce the use of water. This is evident from the illustration which tells citizens that washing clothes on a full 7kg load with a four-tick rating washing machine saves 52.5 litres of water which is equivalent to 35 1.5 litre bottles of water. This shows the government's attempt at reminding Singaporeans to save water hence suggesting that the government is successful in ensuring sustainable water supply in Singapore. Similarly, <b>Source B</b> also supports that Singapore has taken sufficient water management measures as it portrays the extent of Singapore's involvement on World Water Day. Source B states that "This year's Singapore World Water Day campaign will see 95 schools, including 61 pre-schools, taking part in a water-rationing exercise which aims to help students better understand the value of water. This shows the large number of student participation to drive	

the message about valuing our water supply. Hence this suggests that the government been successful in ensuring sustainable water supply in Singapore. **Source D** also supports the statement that Singapore has taken sufficient water management measures as it participates in many discussions with those involved in sustainable water management. This is evident from "Singapore plays a key role in forging dialogue amongst the policymakers, water experts and industry leaders on water issues, challenges and solutions." Such extent of engagement shows that the government has been successful in ensuring sustainable water supply in Singapore. Source F also supports the statement that the government been successful in ensuring sustainable water management in Singapore due to the important role it plays in the international arena. This is evident from "Singapore, one of the most water-stressed countries in the world, has through decades of planning and innovation become a world leader in water research." As such, it shows Singapore as a highly-regarded country that has been successful in ensuring sustainable water supply through many years of hard work and the creative use of technology.

#### OR

### No, do not support (Sources: C and E)

e.g. Source C does not support that the government has taken sufficient water management measures as it highlights a national concern among the young in their regard for water. It states that "younger Singaporeans and permanent residents (PRs) appear to be less concerned about the sustainability of the country's water supply than older residents aged 55 and above." This suggests that the younger generation has taken the supply of water for granted and do not value its sustainable supply. This shows that the government has been successful in ensuring sustainable water supply in Singapore. Similarly, **Source** E also does not support the stand that the government has taken sufficient water management measures that tells me that there are gaps that need to be addressed. This is evident from "More also can be done to understand at what point a young person, who is aware of the importance of water conservation and other similar ethical behaviours when it comes to the environment, forgets what they have internalised." This shows the need for the government to work out programmes for the youths which would voluntarily lead them to apply what they have learnt in their daily lives. Hence it shows that the government has not been successful in ensuring sustainable water supply in Singapore.

## Yes + No, supported by valid source use i.e. Both elements of L2.

5-8

Award 5 marks for use of 2 sources. (1 Yes + 1 No)

Award 6 marks for use of 3 sources. (1 Yes + 2 No, 2 Yes + 1 No)

Award 7 marks for use of 4 sources. (2 Yes + 2 No)

Award 8 marks for use of 5-6 sources.(3 Yes + 2 No, 4Yes + 2No)

Note: Consideration on number of sources used and the quality of analysis in deciding on marks in L2 & L3.

\*\*To score additional 2 marks, candidates can take any of these 3 routes:

 Through analysing at least one source in relation to its reliability, utility or sufficiency e.g. Source A is an illustration done by Singapore's national water agency, PUB, which serves as a reminder to Singaporeans to do their part in reducing the use of water to ensure its sustainable supply. This is a real concern that affects the entire world today and hence requires immediate action. As such, the illustration is reliable as it demonstrates PUB's commitment to sustainable water management for its people, urging them to start with small acts at home as the issue needs concerted effort of both the government and its citizens. Hence the government has been successful in ensuring sustainable water management in the country. [+2]

Note: **No double reward**. Cannot analyse Source D, E and F as these are the main sources used for reliability question.

### By sharing example(s) from their contextual knowledge

e.g. I support the stand that the government has been successful in ensuring sustainable water management in the country. The government has implemented programmes to drive home the message to its people of the need to conserve water and to value its supply. There has been many campaigns carried out since the 1990s to educate the people and to assure them that their little acts to conserve water matters and that each of us play a part in ensuring Singapore's sustainable water supply. Singapore has not only been successful in not only reaching out to its people but has also been successful in the regional and international arenas where she plays a leading role in climate change and environmental issues (be it dialogue or research) which includes the sustainability of water supply [+2]

### By giving a balanced conclusion / resolution

e.g. Singapore has been successful in ensuring sustainable water management in Singapore as the government has implemented many measures both in the country and beyond the country. This is evident from sources A, B, D and F. These sources reveal the effort put in by the government to ensure that Singapore's water supply is sustained. However, Sources C and E do not seem to support the stand that the government has been successful in ensuring sustainable water management in Singapore as challenges were identified which the government needs to address. Hence, the sources in this case study show that there are two sides to the argument and the perspectives are valid and reasonable. In view of the constant tension with Malaysia concerning water supply, we need to work towards being self-sufficient. Singaporeans must understand that the sustainability of water supply is not only the responsibility of the government but that of the people as well. [+2]

### **Section B: Structured-Response Question**

2(a) Extract 1 states that 50% of Singaporeans have become victims of cybercrimes in 2017.

In your opinion, what can be done to improve cyber security in Singapore? Explain your answer using **two** strategies. [7]

Level	Descriptors	Marks
L1	Describes the topic	1
	e.g. There has been an increase in cyber attacks in Singapore in recent times and the government needs to improve the situation.	
L2	Identifies / Describes reasons  Award 2 marks for identifying one strategy and 3 marks for identifying two strategies.  Award 3 marks for describing one strategy and 4 marks for describing two strategies.	2-4
	e.g. Cyber security in Singapore can be improved by creating awareness through publicity and reaching out to Singaporeans. This can be done through television programmes and by putting up posters in the neighbourhood. For instance, the Singapore government introduced the Cyber Security Awareness and Outreach programme to promote security measures among Singaporeans. The programme utilises public education television programmes such as the Crimewatch to re-enact real-life cybercrime cases. The key messages of the programme could also be presented in posters in the neighbourhood.	
	OR/AND	
	e.g. Cyber security in Singapore can also be improved when individuals take steps to protect themselves online. For example, Singaporeans could guard their online privacy by having stronger passwords and change them regularly, by installing and updating firewalls and anti-virus programs as well as by being cautious about online scams.	
L3	L2 + Explain reasons  Award 5-6 marks for explaining one strategy.  Award 6-7 marks for explaining two strategies.	5-7
	e.g. Cyber security in Singapore can be improved by creating awareness through publicity and reaching out to Singaporeans. This can be done through television programmes and by putting up posters in the neighbourhood. For instance, the Singapore	

government introduced the Cyber Security Awareness and Outreach programme to promote security measures among Singaporeans. The programme utilises public education television programmes such as the Crimewatch to re-enact reallife cybercrime cases. The key messages of the programme could also be presented in posters in the neighbourhood. As a result of such efforts, more Singaporeans will be aware of the recent cybercrimes in Singapore. The television programmes and posters would also allow Singaporeans to be well-equipped with the knowledge and skills to be vigilant as well as to prevent such cybercrimes in Singapore. When more Singaporeans have a better understanding of the importance of implementing cyber security measures in Singapore, cybercrimes can be reduced. Therefore, cyber security in Singapore could be creating awareness through improved by television programmes and by putting up posters in the neighbourhood.

### OR/AND

e.g. Cyber security in Singapore can also be improved when individuals take steps to protect themselves online. For example, Singaporeans could guard their online privacy by having stronger passwords and change them regularly, by installing and updating firewalls and anti-virus programs as well as by being cautious about online scams. As a result of such measures to strengthen their personal cyber security, individuals can reduce their vulnerability to cyber attacks or scams which can incur substantial losses or damages. When individuals are more pro-active in guarding their online privacy, it will reduce the possibility of online scammers and hackers committing online crimes in Singapore. Such measures will also build a positive culture of cyber security in Singapore as individuals take ownership of their own cyber security. Therefore, cyber security in Singapore can be improved when individuals take steps to protect themselves online.

(b) Extract 2 and Extract 3 reflect the roles of the Singapore government and individuals in managing the threat of transnational terrorism.

Do you think the Singapore government has a more important role to play than individuals in managing the threat of transnational terrorism? Explain your answer. [8]

Level	Descriptor	Marks
L1	Writes about the topic without addressing the question.	1-2
	e.g. It is important for the Singapore government to protect its citizens. (1m)  e.g. It is important for the Singapore government to protect its citizens and manage transnational terrorism. This is to ensure that the citizens of the country will be able to live in Singapore without being fearful of possible terrorist attacks. (2m)	
L2	Describes the role of the given factors.  Award 3 marks for describing one factor.  Award 4 marks for describing two factors.  e.g. The Singapore government has an important role to play in managing the threat of transnational terrorism as they are responsible for the safety of their citizens. The Singapore government has ensured stronger and more effective border controls to prevent the movement of foreign terrorists as well as explosive materials. For example, the Immigration and Checkpoints Authority (ICA) in Singapore uses the Radiographic Scanner Portal (RSP) system to make sure that all cargo vehicles are screened at the Changi Airfreight Centre checkpoint.	3-4
	e.g. Individuals have an important role to play in managing the threat of transnational terrorism as the citizens of a country are also responsible in strengthening the country's defences. For example, in Singapore, Singaporeans learn about the importance of Total Defence in schools and participate in emergency preparedness exercises to better deal with a range of security threats.	
L3	Explains the role of the given factors with regards to the issue.  Award 5-6 marks for explaining one factor.  Award 6-7 marks for explaining both factors.  e.g. The Singapore government has an important role to play in managing the threat of transnational terrorism as they are responsible for the safety of their citizens. The Singapore government has ensured stronger and more effective border controls to prevent the movement of foreign terrorists as well as	5-7

explosive materials. For example, the Immigration Checkpoints Authority (ICA) in Singapore uses the Radiographic Scanner Portal (RSP) system to make sure that all cargo vehicles are screened at the Changi Airfreight Centre checkpoint. As a result of such developments, the ICA has been able to improve its effectiveness and efficiency in monitoring and regulating the movement of people and goods across Singapore's borders. The Singapore government manages of transnational terrorism through the threat development of specialised capabilities in border security to closely observe and detect the movement of any suspicious and unauthorised personnel from entering Singapore. Therefore, the Singapore government has an important role to play in managing the threat of transnational terrorism.

### **AND**

e.g. Individuals have an important role to play in managing the threat of transnational terrorism as the citizens of a country are also responsible in strengthening the country's defences. For example, in Singapore, Singaporeans learn about the importance of Total Defence in schools and participate in emergency preparedness exercises to better deal with a range of security threats. As a result of these initiatives, individuals will be able to enhance their resilience to stand united in the fight against transnational terrorism. Also, when individuals have the knowledge and skill to respond in times of crisis, Singapore would be able to overcome the effects of any possible terrorist acts and recover quickly after an incident. When individuals are more prepared to deal with terrorism, the country will become less vulnerable to transnational terrorism. Hence, individuals have an important role to play in managing the threat of transnational terrorism in Singapore.

L3+ Explains relative importance of the role of the Singapore government and individuals in managing transnational terrorism in Singapore.

e.g. In conclusion, I think that both the Singapore government and individuals need to stand united and work together in order to manage the threat of transnational terrorism. Though the Singapore government invests a lot of resources to prevent the occurrences of terrorist acts in Singapore, the individuals in the country will also need to actively participate in the activities implemented by the government and be vigilant. Similarly, without the cooperation of the individuals, the measures undertaken by the Singapore government will not be effective in managing transnational terrorism in Singapore.

8