## ST ANDREW'S JUNIOR COLLEGE JC2 PRELIMINARY EXAMINATIONS



## **GENERAL PAPER**

8807/01

PAPER 1

26 AUGUST 2022

1 hour 30 minutes

Additional material: Answer Booklet

### **READ THESE INSTRUCTIONS FIRST**

Write your name, Civics Group and register 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.

Answer one question.

Note that 20 marks out of 50 will be awarded for your use of language.

All the questions in this paper carry equal marks.

This question paper consists of 2 printed pages.

## Answer one question from this Paper.

Answers should be between 500 and 800 words in length.

- 1. Is a life of excess necessarily undesirable?
- 2. Can your country do away with teachers?
- 'In this era of uncertainty, countries should move towards self-sufficiency.'
   Discuss.
- 4. 'Young people today argue about everything but stand for nothing.' How far do you agree?
- 5. How far is religion a source of division rather than unity in today's world?
- 6. 'The potential of an individual is constrained by the surroundings they are born into.' Discuss.
- 7. To what extent is creativity valued in your society?
- 8. Should working from home be encouraged rather than frowned upon?
- 9. Is privacy becoming a thing of the past in today's world?
- 10. 'Only the rich have access to quality healthcare.' Comment.
- 11. To what extent are the Humanities essential for a holistic education?
- 12. 'Consumerism inevitably leads to environmental destruction.' Discuss.

## **INSERT**

## ST ANDREW'S JUNIOR COLLEGE JC2 Preliminary Examination



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Civics Group:	-		akan kan kan kan kan kan kan kan kan kan	
GENERAL PAPER				8807/02
Paper 2				26 August 2022, Friday
INSERT				1 hour 30 minutes

## **READ THESE INSTRUCTIONS FIRST**

This Insert contains the passages for Paper 2.

Gina Lovett questions whether urban farming truly benefits society, or only the rich.

- Spending on ethical food and drink products including organic, Fairtrade, free range and freedom foods hit £8.4bn in the UK in 2013, making up 8.5% of all household food sales and by 2020, the amount was £14bn. By taking advantage of environmental credentials, such as local, sustainable and transparent production, a new wave of urban agriculture enterprises is justifying a premium price. While a higher price point might better reflect the true cost of food production and help build 5 a viable business, it can also exclude lower income groups, fuelling the perception that local, sustainably produced food is the preserve of food elitists. Farms are springing up in cities across Europe, but the urban farming movement is doing little to help shift towards a permanent sustainable food system if there are few supporters.
- A real challenge that urban farmers face is in keeping prices affordable for more people. Urban vertical farms can produce fish, salads and herbs concurrently in unused city spaces to sell wholesale such farms can produce up to 20 tonnes of greens, salads, and herbs (enough for 200,000 salad bags) and four tonnes of tilapia. The main client base is wholesaling to local restaurants and grocers as food is after all a commodity and urban farming is a business that must be profitable to work. Most urban farmers may have taken to growing more expensive things with a bigger profit margin for the customer who has more to spend, but are equally mindful not to alienate their other customers. Such urban farms produce premium micro-greens for Michelinstarred restaurants, clients who can and want to purchase such produce, thus supporting the expansion of more affordable salads and herbs for the average consumer. By trying to grow other affordable things like mixed salad, which are then sent into big shop retailers, such produce can become more widely accessible.
- 3 Some urban farms evolve to become new entrants to the grocery retailing scene and sell themselves as ethical grocers specialising in responsibly sourced, homegrown and organic produce which sell hundreds of different items from organic pigs in blankets to recycled toilet paper. Their message is a 'feel good' one where individuals can still consume without guilt and spend ethically while doing good. However, this win-win situation is quite far from reality for most consumers, unless you can afford to purchase from such platforms. The cost of similar produce can vary depending on where it is bought. For example, customers can currently buy 50g of peashoots through these boutique retailers for £1.10, compared to £1 for the same weight in a regular local supermarket.
- Apart from the prices and accessibility, urban farming sees issues in its "fields". Agriculture practices and urban growth have long been considered unhappy bedfellows, with arable land often sacrificed to build apartments and new roads. Similarly, since urban farming tends to be situated in most urban spaces, the perception that the spaces can be used for more economically productive activities has to be challenged alongside concerns regarding the commercial viability of such 35 enterprises. This leads to another consideration involving the management of urban spaces and the optimal re-purposing of existing infrastructure to accommodate the growth of such farms. While farming near customers sounds sensible, to farm at scale efficiently means space is needed due to the large equipment needed for such exploits. Yet, one should not disregard the huge untapped areas in the centres of many cities, often abandoned and forgotten, that we could be using to make the food chain more resilient. One example is the Swiss aquaponics enterprise, Urban Farmers, which took over the derelict rooftop floors of De Schilde, a former Philips TV and phone set factory in The Hague. Through its converted space, it aims to produce 45 tonnes of vegetables and 19 tonnes of tilapia annually. We need to envision the opportunities in such unusual urban spaces and 45 invest in their development to see the growth of such farms.

- Still, the added cost of production comes from the purchase of indoor hydroponic growing systems, which do not come cheap. Thought must be paid to how growing technologies can be democratised to produce high quality produce at affordable prices. The ideal situation should be such that anyone shops, restaurants, schools and hospitals should be able to have their own farm and grow their own food. The first ones to do it are obviously the early adopters but, in principle, there is no reason for it not to become a standard. By implementing an indoor hydroponics growing system in store, the growing of herbs and greens can be available at a price comparable to other fresh goods. Eventually, companies can hope to expand globally and target businesses worldwide.
- Critics are also quick to notice that urban agriculture entrepreneurs tend to be educated, white and middle-class which may reinforce the notion that urban farms, though well-meaning, are ultimately a hobby for urban elites to engage in. For urban agriculture to move beyond serving a niche group of people and make a real impact on the global food system, it will have to engage a wider demographic. Urban farming has the potential to be fashioned as a social enterprise, to revitalise blighted neighbourhoods with an excess of abandoned buildings, unused space and high unemployment. Investment in such projects can bring about possible social benefits: improving neighbourhood aesthetics, reducing crime and even increasing community cohesion. (That said, this can also raise thorny issues around gentrification and displacement in low-income areas as an unintended consequence.) In areas which have the highest youth unemployment rates, there is a real need for job opportunities with companies that are prepared to invest in training young people with a poor history of educational attainment. Thus, urban farming can be a platform to upskill youth as aquaponics technicians for commercial food production or develop their project management skills in planning crops and monitoring quality. Such skills can keep them employed and off the streets.
- 7 Proper investment and thought needs to be brought to the table for the empowerment that urban farming is supposed to bring to underprivileged neighbourhoods. Otherwise, urban farms will not always be as inclusive as they aspire to be and there are often huge class divides. However, to merely reject this possibility as a fad or hobby is throwing the baby out with the bathwater. It must be acknowledged that the challenges around equality in urban agriculture are simply a reflection of the global food system's wider issues. It is a sad fact that many of those working in the food sector are still paid poorly and as a result, the people who produce our food cannot afford good 75 food themselves.
- Hopefully, the growing interest in urban food will end up benefitting the whole of society in the future. There is a whole generation for whom urban food growing is becoming a major interest. Such food revolutions tend to be led by people who have more information, and maybe more disposable income, but that is not to say they are not tapping into something of interest to all sections of society. What does the future hold for urban farms? Honestly, we cannot say for sure. However, with hundreds of millions of urban dwellers suffering from undernutrition, anything that helps to bring nutritious food closer to the urban table can only be worth pursuing.

Adapted from The Guardian- "Is urban farming only for rich hipsters?"

SAJC Prelim 2022 P2 (Answer Booklet)

Read the passage in the Insert and then answer **all** the questions which follow. Note that up to fifteen marks will be given for the quality and accuracy of your use of English throughout this paper.

For Examiner's Use

NOTE: When a question asks for an answer IN YOUR OWN WORDS AS FAR AS POSSIBLE and you select the appropriate material from the passages for your answer, you must still use your own words to express it. Little credit can be given to answers which only copy words or phrases from the passages.

1.	on the opening example (lines 1–3). <b>Use your own words as far as possible.</b>
	[2]
2.	In paragraph 1, what are the benefits and trade-offs when setting a "higher price point" (line 5) for ethical food? <b>Use your own words as far as possible.</b>
	[3]
3.	Why does the author use inverted commas in line 31?
	[1]
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4.	Explain what the author means by "unhappy bedfellows" (line 32).	Examiner's Use
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	[2]	end-refrencies described de la company de la
5.	Why does the author use the word "yet" (line 39)?	
	[4]	

6.	Using material from paragraphs 4–5 only (lines 31-53), summarise the challenges urban farmers face and how these challenges are overcome.
	Write your summary in <b>no more than 120 words</b> , not counting the opening words which are printed below. <b>Use your own words as far as possible.</b>
	One challenge urban farmers face is
	[8]

	What are the social benefits that investments in urban farming (line 60) can bring? <b>Use your own words as far as possible</b> .	
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		Use
		<b>Appropriate</b>
		er of a section of the section of th
	[3]	
8.	Why does the author use the word 'thorny' (line 62) to describe the issues around gentrification and displacement?	
	[2]	
9.	What does "throwing the baby out with the bathwater" (line 72) imply about the rejection of urban farming's benefit to underprivileged neighbourhoods?	A A A A A A A A A A A A A A A A A A A
	[2]	
10.	From lines 81–83, suggest the author's attitude towards the future of urban farming.	
	***************************************	
	[1]	

11. Gina Lovett highlights some benefits of urban farming while raising several concerns.
How far do you agree or disagree with her observations, relating your arguments to your own experience and that of your society?
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[10]

2022 SAJC Prelims Paper 2 Suggested Answer Scheme

### **Short Answer Questions**

Q1. Suggest **two** ways consumer attitudes towards ethical food and drinks have changed based on the opening example (lines 1–3). **Use your own words as far as possible.** [2]

Lifted	Suggested Answers
Spending on ethical food and drink	Consumers are more willing to purchase / are
products - including organic, Fairtrade,	more welcoming of ethical food and drinks.
free range and freedom foods - hit £8.4bn	
in the UK in 2013, making up 8.5% of all	They are more concerned about where the
household food sales and by 2020, the	food comes from/origins of the food.
amount was £14bn. By taking advantage of	
environmental credentials, such as local, sustainable and transparent production, a new wave of urban agriculture enterprises is	They are now more aware of the implications of consuming unethical food on the environment.
justifying a premium price.	80 <u></u> 4 <u></u> .
	They are more concerned with the health benefits consuming ethical food.
	Note: Any 2 for 2m. Any reasonable change in attitude can be accepted.

Q2. In paragraph 1, what are the benefits and trade-offs when setting a "higher price point" (line 5) for ethical food? Use your own words as far as possible. [3]

Lifted	Suggested Answers
By taking advantage of environmental	While a higher price point
credentials, such as local, sustainable and	
transparent production, a new wave of urban	Å – benefits
agriculture enterprises is justifying a premium price. While a higher price point might better	A1: conveys the <b>real cost</b> of producing food
reflect the [A1] true cost of food production and help [A2] build a viable business, it can	A2: helps companies make a <b>profit</b>
also [B1] exclude lower income groups, fuelling the perception that [B2] local,	it also
sustainably produced food is the preserve of	B – trade-offs / costs
food elitists. Farms are springing up in cities across Europe, but the urban farming movement is [B3] doing little to help shift	B1: makes food less accessible to lower income groups
towards a <b>permanent</b> sustainable food system if there are few supporters.	B2: drives the idea that sustainable food is only for the <b>upper class/food snobs</b>
	B3: contributes little towards achieving a sustainable food production in the long run/for the future
	1pt – 1m; 2–3pts – 2m; 4–5pts – 3m

2022 SAJC Prelims Paper 2 Suggested Answer Scheme

## Q3. Why does the author use inverted commas in line 31? [1]

Lifted	Suggested Answers
farming sees issues in its " <b>fields</b> ". Agriculture practices and urban growth have	The author uses inverted commas to indicate that [A - Function] urban farming does not require actual/literal/real fields. OR The word "fields" is not used in the literal sense.
apartments and new roads. Similarly, since urban farming tends to be situated in most	[B – Context] It is carried out in urban spaces.
can be used for more economically	Note: Need both parts for 1m.
productive activities has to be challenged alongside concerns regarding the commercial viability of such enterprises.	
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## Q4. Explain what the author means by "unhappy bedfellows" (line 32). [2]

Lifted	Suggested Answers
Apart from the prices and accessibility, urban farming sees issues in its "fields". Agriculture practices and urban growth have long been considered unhappy bedfellows, with arable and often sacrificed to build apartments and new roads. Similarly, since urban farming tends to be situated in most urban spaces, the perception that the spaces can be used for more economically productive activities has to be challenged alongside concerns regarding the commercial viability of such	[A — Subject/Context] Agricultural practices and urban growth share a close relationship / they are related/linked/ co-exist / both are needed / occupy the same space [1]  but  [B — Quality of the relationship] the relationship is troubled / clash / they are forced together / forced / compete against each other/trade off/ do not go hand-in-hand/in tension. [1]

## 2022 SAJC GP Prelims Paper 2 Suggested Answer Scheme

## Q5. Why does the author use the word "yet" (line 39)? [1]

Lifted	Suggested Answers
many cities, often abandoned and	The author uses the word 'yet' to emphasise [A] the opportunities offered by urban farming [B] despite its space requirements / practical difficulties. [1] (Phrasing needs to show opportunity/prospects despite limitations. Context is in urban areas [not about rural vs urban spaces])
	OR
	'Yet' conveys (Function) a sense of optimism regarding (Context) the prospects of urban farming. [1]

## Q7. What are the social benefits that investments in urban farming (line 60) can bring? **Use** your own words as far as possible. [3]

Lifted	Suggested Answers
Investment in such projects can bring about	Investments in urban farming can
possible social benefits: [A] improving	
neighbourhood aesthetics, [B] reducing	A: (Inferred) beautify their communities
crime and even [C] increasing community	\
cohesion. (That said, this can also raise	B: Decrease social vices/offences/unlawful
thorny issues around gentrification and	
displacement in low-income areas as an	
unintended consequence.) In areas which	
have the highest youth unemployment rates,	
there is a [D] real need for job opportunities	
with companies that are prepared to invest in	
training young people with a poor history of	
educational attainment. Thus, urban farming	
aquaponics technicians for commercial food	E: Equip young people with skills / give people
production or developing their project	<u> </u>
	F: (Inferred) Keep youth from getting into trouble
monitoring quality. Such skills can [F] keep	
	Note: 1-2 pts - 1 m, 3-4 pts - 2m, 5-6 pts - 3m

## 2022 SAJC GP Prelims Paper 2 Suggested Answer Scheme

Q8. Why does the author use the word 'thorny' (line 62) to describe the issues around gentrification and displacement? [2]

Lifted	Suggested Answers
(That said, this can also raise thorny issues around	They are
gentrification and displacement in low-income areas	
as an unintended consequence.) In areas which have	[A – meaning/use of word] painful / sensitive
the highest youth unemployment rates, there is a real	OR challenging / tricky / controversial issues
need for job opportunities with companies that are	
prepared to invest in training young people with a poor	
history of educational attainment. Thus, urban farming	[B - inferred] that people are unwilling to talk
can be a platform to upskill youth as aquaponics	
technicians for commercial food production or develop	
their project management skills in planning crops and	
monitoring quality. Such skills can keep them	
employed and off the streets.	

Q9. What does "throwing the baby out with the bathwater" (line 72) imply about the rejection of urban farming's benefit to underprivileged neighbourhoods? [2]

Lifted	Suggested Answers
	A: We should not simply reject/disregard the benefits of urban
	farming to the wider community / We fail to see the true potential
throwing the baby out with the	in urban farming,
bathwater. It must be	
	B: because it currently only/mainly caters to the rich / because of
	its high price point / inequalities resulted.
are simply a reflection of the global	
food system's wider issues. It is a	
,	Note: 2 or 0m
in the food sector are still paid	
poorly and as a result, the people	
who produce our food cannot afford	
good food themselves.	

Q10. Suggest the author's attitude towards the future of urban farming (lines 81-83). [1]

Lifted	Suggested Answers
urban farms? Honestly, we cannot say for sure. However, with hundreds	B: pragmatic / realistic about the impact/outcome of urban
helps to bring nutritious food closer to the urban table can only be worth	
	Note: Any 1 for 1m. Accept any reasonable attitude with context.

2022 SAJC BT2 Paper 2 Suggested Answer Scheme | Application Question

### Summary

Q6. Using material from paragraphs 4–5 only, summarise the challenges urban farmers face and how these challenges are overcome.

Write your summary in **no more than 120 words**, not counting the opening words which are printed below. **Use your own words as far as possible.** 

One challenge urban farmers face is...

	From Passage	Paraphrased	Main Idea
	Paragraph 4		
1	Urban farming sees issues in its "fields" (31)	There are problems in where to carry out urban farming	Space
2	long been considered unhappy bedfellows(32)	relationship (agriculture & urban growth) is in conflict / do not go hand-in-hand	Troubled relationship /conflict /competition
3	arable land often sacrificed (32)	Fertile expanses frequently forfeited/traded-off/surrendered/	Trade off
4	To build high-rise apartments and new roads (33)	In the construction/creation of  *award only if there is (3)	Construction (urban spaces)
5	Since urban farming tends to be situated in most urban spaces (34)	located in the same space	Same space
6	the perception that the spaces can be used for more economically productive activities	The idea that physical areas can be used for further (more) money-making/fiscally-attractive work	Fixed Idea about what can be lucrative (attitude)
7	has to be <b>challenged</b> (34-35)	needs to be tested/defied/confronted / unwillingness to give up	Challenge to the idea
8	alongside concerns regarding the commercial viability of such enterprises (35-36)	Profit-making likelihood of urban farms /can they survive	Profitability
9	involving the management of urban spaces(36)	how well these spaces are run by stakeholders/ organisation of urban spaces	Organisation (Future planning of urban spaces)
10	1 · · · · · · · · · · · · · · · ·	Another concern involves how best to reuse infrastructure	re-purposing (reuse of resources)
11	means space is <b>needed</b> due to the <b>large equipment</b> needed for such exploits (39)	Requires space to accommodate huge machinery	Large equipment required
12	Yet, one should not disregard the huge untapped areas in the centres of many cities (39-40) (Solution)	We must pay attention/take into account Massive untouched *degree is needed. Need both qualities	Huge/many unused areas

## 2022 SAJC BT2 Paper 2 Suggested Answer Scheme | Application Question

1 3		7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	Abandoned
		overlooked	areas
		a large /sufficient amount of food	Sufficient food produced
15	We need to envision the opportunities growing in such unusual urban spaces (solution)	Dream/envisageout of the ordinary/uncommon	Dreaming to grow in unusual spaces
16	and invest in its development to see growth of such farms.  (solution)	pump in cash / spend more	Pump in funds
	Paragraph 5		
17	the <b>added</b> cost of production comes from the purchase of indoor hydroponic growing systems, (46) / which do not come <b>cheap</b> (47) (Challenge)	high cost of / expensive production	High cost
18	Thought must be paid to how growing technologies can be democratized (47) (solution)	Accessible to all	Accessibility
19	to produce high quality produce at affordable prices (48) (solution)	Superior value products at cheap prices *Award if both qualities are mentioned.	High quality being affordable
20	The ideal situation should be such that anyone should be able to have their own farm and grow their own food. (48) (solution)	Anyone(all) should be able to urban farm everywhere/ everyone an urban farmer	All can farm at home
21	there is no reason for it not to become a standard(50) (solution)	commonplace / norm	Commonplace
22	hydroponics growing system in store, the growing of herbs and greens can be available at a price		Stores implementing indoor growing systems
23	Eventually, companies can hope to expand globally and target businesses worldwide. (53) (solution)	Hopefully, companies can extend internationally	Overseas expansion

## Application Question - Q11

Gina Lovett highlights some benefits of urban farming while raising several concerns. How far do you agree or disagree with her observations, relating your arguments to your own experience and that of your society?

POINT 1: Keeping prices affordable for consumers + Commercial viability for producers (farmers) [Concern]

Para 2 & 3 - Expensive prices on such produce will keep consumers away and at the same time, food producers need to make enough profit to sustain their operations

Para 5 - High cost of specialized farming equipment

Lovett highlights that adopting urban farming can lead to better nutritional outcomes as well as positive contributions to urban communities yet keeping prices attractive to consumers as well as paying producers fairly remain a challenge.

## Some Questions to Consider:

- Which group(s) in Singapore will be more willing to pay for sustainable produce?
- How popular has the purchase of sustainable produce been? Has there been changes in the demand and why?
- What are some difficulties/challenges/concerns local urban farmers face in keeping prices affordable?
  - Has the government done enough to support the local farmers or should more be done?

# POINT 2: Space constraints [Concern]

Para 4 - Bulky machinery and farming equipment that needs large spaces & convincing stakeholders (policy makers + citizens) that urban farming is a wiser investment for the longer term than merely using the space for more economically productive activities A concern Lovett points out is to carry out intensive urban farming there is a need for large spaces within urban settings which can be a challenge to find. Additionally, even if these spaces do exist, convincing the residents and the government to use the space for urban farming rather than for generating income through more tradition means - commercial activities like retail or simply for residential purposes can be a challenge.

## Some Questions to Consider:

- How can scarcity of land be overcome?
- How serious / self-limiting is this challenge?
- How successful has Singapore been in overcoming this challenge? Why?

POINT 3: Gaining traction and moving towards a more permanent and long-term change [Concern]

rat+68.7 - How do we keep the momentum of the movement and become a more permanent shift to achieving a more sustainable lespite the existing huge class divides

a 7 - Wider inequalities in the global food system

ss the concern that the shift to sustainable farming may not result in the desired long-lasting impact.

## Some Questions to Consider:

- Which groups of Singaporeans do we have to convince for urban farming to be successful?
- What are some of their concerns? Do they face the same challenges as those raised in this paragraph? What will it take to convince them?
- What are the latest trends and observations shaping urban farming in Singapore?
- How effectively can local urban farmers be sustainable by managing both profitability and cost?
- Given Singapore's food vulnerability, do we really have a choice or do we simply just have to make this work?

manner tre and dis-used buildings to preventidecay and meaningful spaces in a urban

## Some Questions to Consider:

- Were there events occurring that made this rejuvenation necessary?
- Who would benefit the most from such a rejuvenation?
- Will needs to be involved for such acts to occur?
- How much money/time/effort must be invested in to such a project?

## Some Questions to Consider:

- Are young Singaporeans interested in shifting towards a labour intensive job?
- Are there enough opportunities for such an endeavour?
- What is the governmental support in such an undertaking?