



**TANJONG KATONG GIRLS' SCHOOL
PRELIMINARY EXAMINATION 2024
SECONDARY FOUR EXPRESS**

CANDIDATE
NAME

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CLASS

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INDEX
NUMBER

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GEOGRAPHY

2279/01

Paper 1

12 August 2024

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your index number and name on all the work you hand in.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

Answer **all** questions.

The Insert contains additional resources referred to in the questions.

The number of marks is given in brackets [] at the end of each question or part question.

Setter: Mr Kaleb Lim

Marker: Mr Kaleb Lim

A group of students wanted to study the impact of the new Jurong Regional Line (JRL) in Jurong Town on the residents' sense of place. The JRL will significantly improve connectivity in the western part of Singapore and support developments in the Jurong area. A total of 24 MRT stations will be constructed by 2029.

(a) The students designed a closed-ended questionnaire to test the hypothesis: 'Improved accessibility in Jurong Town will increase the sense of place of residents.'

(i) With reference to Fig.1.1, describe and explain the secondary data needed to craft their questionnaire.

[5]

- (ii) With reference to Fig. 1.1, craft three questions and response options which the students can use for their closed-ended questionnaire to test their hypothesis.

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- (iii) The students found out that the ratio of male to female residents was 6:4 in Jurong Town. Therefore, the students aimed to interview a total of 100 people with 60 males and 40 females. They selected their samples by interviewing any residents walking near the MRT stations in the JRL.

Identify and evaluate the type of sampling method used.

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- (b) The students were interested in whether the number of amenities in Jurong Town would increase the sense of place for residents. They aimed to test the hypothesis: 'The higher the number of amenities in Jurong Town, the higher the sense of place for residents.' They conducted a semi-structured interview with one of the residents in Jurong Town.

Study Fig. 1.2 below, which shows the semi-structured interview conducted by the students.

- (i) Annotate on Fig. 1.2 to highlight text that is relevant to the hypothesis about the relationship between the number of amenities and the sense of place for residents.

Semi-structured interview

Interviewer: Hi, we're looking into how the number of amenities in Jurong Town affects residents' sense of place. Could you describe what amenities you frequently use in Jurong Town?

Resident: I use quite a few amenities regularly. The shopping malls like JEM and Westgate are my go-to places for shopping and dining. I also visit Jurong Lake Gardens often for jogging and picnics. The libraries and community centres are also important to me and my family.

Interviewer: How important are these amenities to your daily life?

Resident: Very important. They make life more convenient and enjoyable. Having a variety of amenities nearby means I don't have to travel far for anything, whether it's shopping, recreation, or educational resources for my kids.

Interviewer: Could you describe how these amenities influence your sense of place or attachment to Jurong Town?

Resident: These amenities make me feel more connected to Jurong Town. They provide spaces where I can meet friends, participate in community activities, and spend quality time with my family. The presence of these amenities makes Jurong Town feel like home to me.

Interviewer: That's interesting. If Jurong Town were to add more amenities, what types would you like to see, and how do you think they would impact your sense of place?

Resident: I'd love to see more cultural and recreational facilities, like theatres or art galleries. Also, more green spaces and parks would be great. These would provide more opportunities for community gatherings and leisure activities, further enhancing my connection and sense of belonging to Jurong Town.

Interviewer: Thank you for your insights.

Fig. 1.2

[3]

- (ii) The students collected more data and plotted a scatter graph and best-fit line.

Study Fig. 1.3, which shows a scatter graph of the number of amenities residents used against the rating of sense of place of residents.

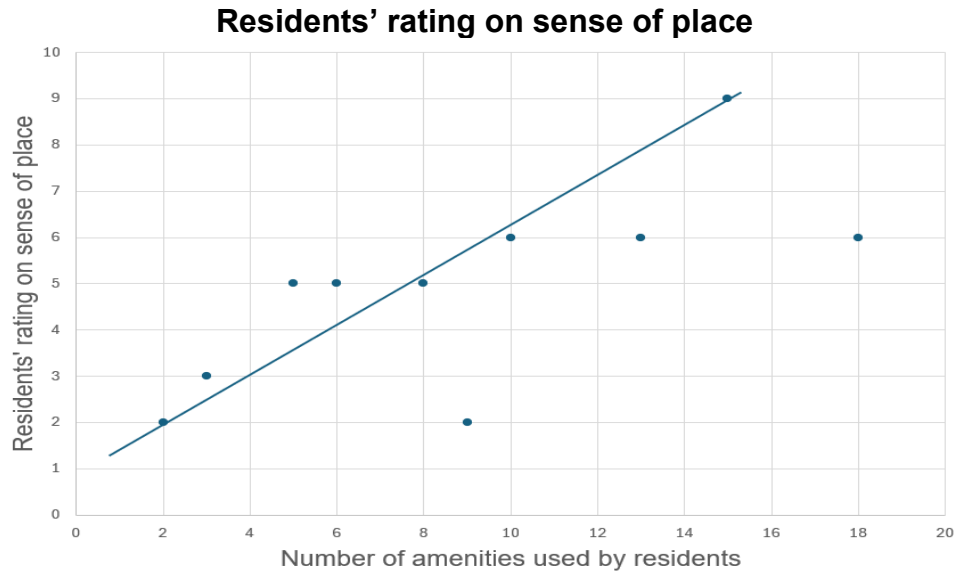


Fig. 1.3

Using Figs. 1.2 and 1.3, evaluate how well the data supports the students' hypothesis.

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[Total: 20]

2 Cluster 2: Tourism

(a) Study Fig. 2.1 (Insert), which shows the outbound tourism recovery for selected countries and territories after COVID-19.

(i) Using Fig. 2.1, describe the trend of outbound tourism recovery in the selected countries and territories after COVID-19.

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(ii) Explain the variations of outbound tourism recovery in countries.

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- (b)** Camping villages have been set up in different scenic areas in Pakistan to attract tourists. Study Fig. 2.2(Insert), which shows a photograph of tourist at a camping village in Pakistan.

With reference to Fig. 2.2, identify the type of sustainable tourism activity shown and describe its characteristics.

[3]

- (c)** Explain why equitable distribution of tourism benefits is important.

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[Total: 15]

3 Cluster 3: Climate

- (a)** Explain how sunspot occurrences cause climate variability over time.

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- (b)** Explain how climate change affect the regulating ecosystem services and its indirect impact on humans.

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- (c) Study Figs. 3.1 and 3.2, which show infographics of carbon capture and how the future of food will look like in 2030.

Carbon Capture

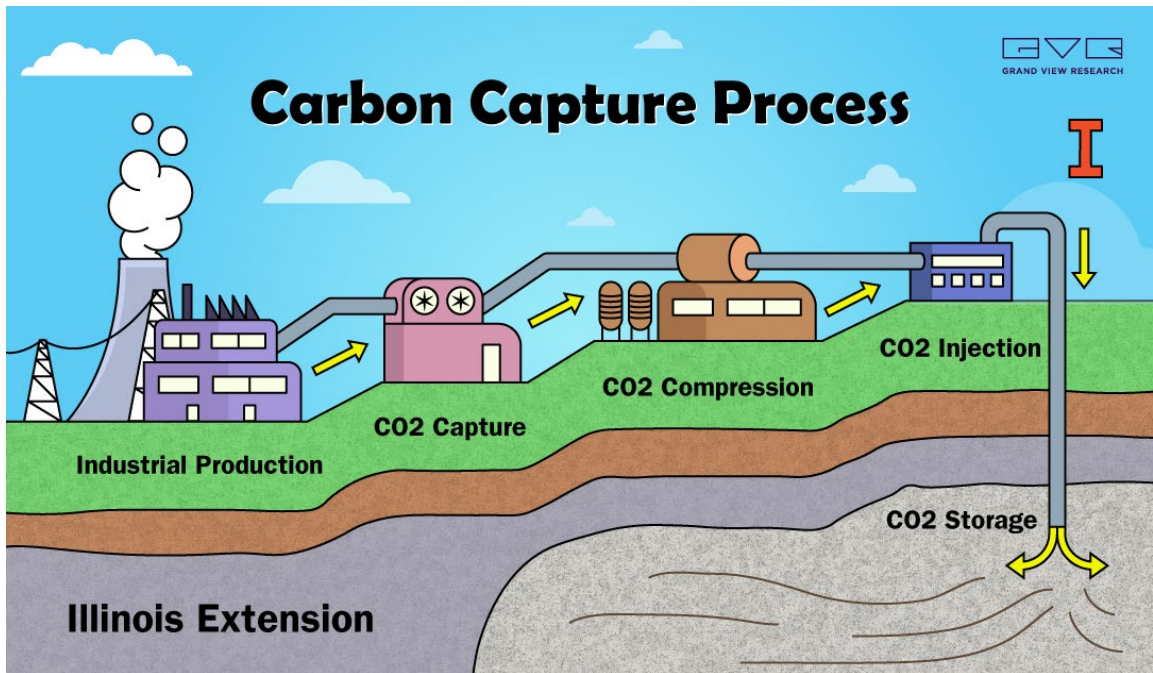


Fig. 3.1

Future of food in 2030

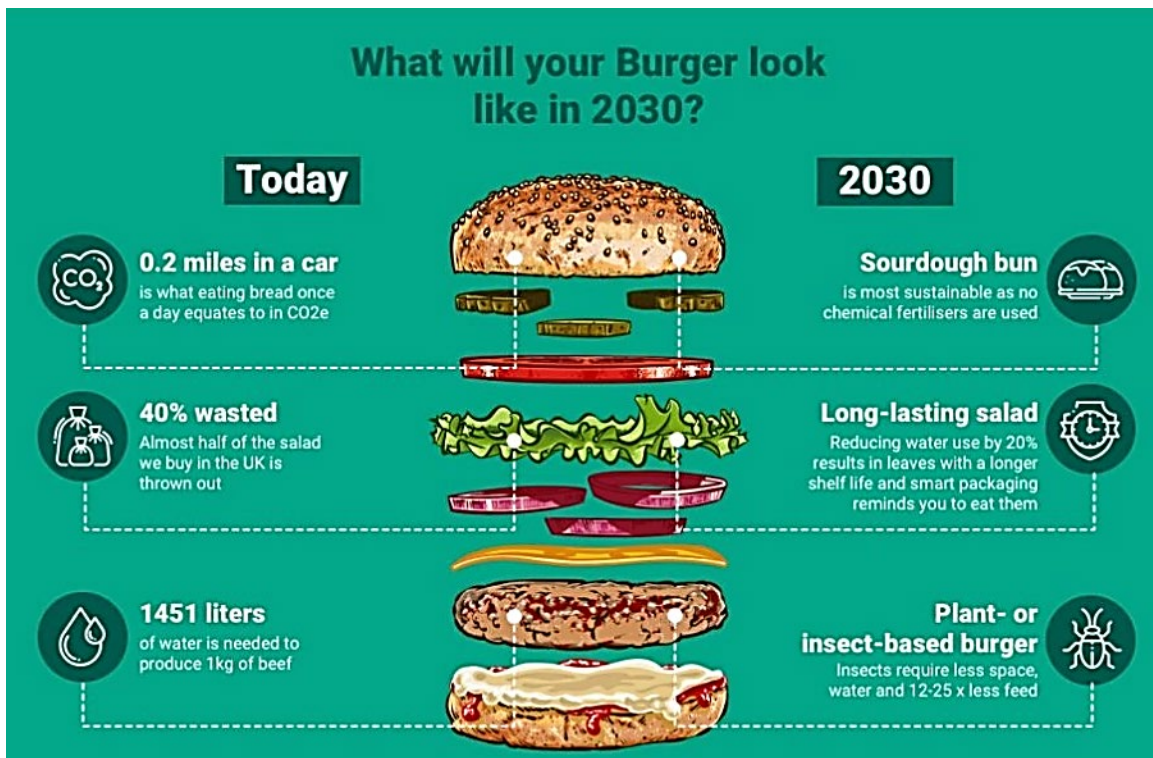


Fig. 3.2

'The use of low carbon technologies is the most effective mitigation strategy in building community resilience to climate change.'

With reference to Figs. 3.1 and 3.2, to what extent do you consider this statement to be true? Explain your answer.

This image shows a full page of white paper with horizontal dotted lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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Additional page

If you use the following page to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

This image shows a full page of a handwriting practice worksheet. It consists of multiple rows of horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.

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Copyright Acknowledgements:

Question 1	Figure 1.1	© https://copen-grand.com.sg/location/
Question 1	Figure 1.2	© Tanjong Katong Girls' School
Question 1	Figure 1.3	© Tanjong Katong Girls' School
Question 2	Figure 2.1	© https://www.eiu.com/n/in-charts-chinas-outbound-tourism-in-2024/
Question 2	Figure 2.2	© https://global-studies.shorthandstories.com/ecotourism-in-costa-rica/index.html
Question 3	Figure 3.1	© https://www.linkedin.com/pulse/pre-combustion-carbon-capture-storage-technology-creating-bhosle/
Question 3	Figure 3.2	© https://www.newfoodmagazine.com/whitepaper/159793/infographic-the-future-of-net-zero-eating/