



HWA CHONG INSTITUTION
JC2 Preliminary Examination
Higher 1

**CANDIDATE
NAME**

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CT GROUP

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**CENTRE
NUMBER**

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**INDEX
NUMBER**

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GEOGRAPHY

8834/01

Paper 1

17 September 2025

INSERT

3 hours

READ THESE INSTRUCTIONS FIRST

This Insert contains all the Resources referred to in the questions.

Resource 1 for Question 1

Sites in Toa Payoh town where the surveys are conducted



One of the exits at Toa Payoh MRT station



Outside a hawker centre

Resource 2 for Question 1

Data collection sheet used by students for the survey

Tick the box that corresponds with your response:

1 = Strongly Agree

2 = Agree

3 = Neutral

4 = Disagree

5 = Strongly Disagree

Factor	1	2	3	4	5
Community support and health services					
The nearest clinic is < 500m from my home					
The nearest elder care centre is < 500m from my home					
Outdoor spaces and buildings					
I can move around the town easily as it is barrier-free					
I can find my way around the town easily					
There are sufficient open spaces for recreation					
There are sufficient exercise corners for the elderly					
Transportation					
The nearest bus stop is <500m from my home					
The cycling paths are well-connected and safe					

Resource 3 for Question 1

Survey findings

Factor	Mean scores	Mean score for each factor
Community support and health services		
The nearest clinic is < 500m from my home	3.68	3.67
The nearest elder care centre is < 500m from my home	3.66	
Outdoor spaces and buildings		
I can move around the town easily as it is barrier-free	3.26	3.05
I can find my way around the town easily	3.82	
There are sufficient open spaces for recreation	2.92	
There are sufficient exercise corners for the elderly	2.22	
Transportation		
The nearest bus-stop is <500m from my home	4.08	3.63
The cycling paths are well-connected and safe	3.18	

Resource 4 for Question 1

Physical features observed in Toa Payoh town during the on-site surveys



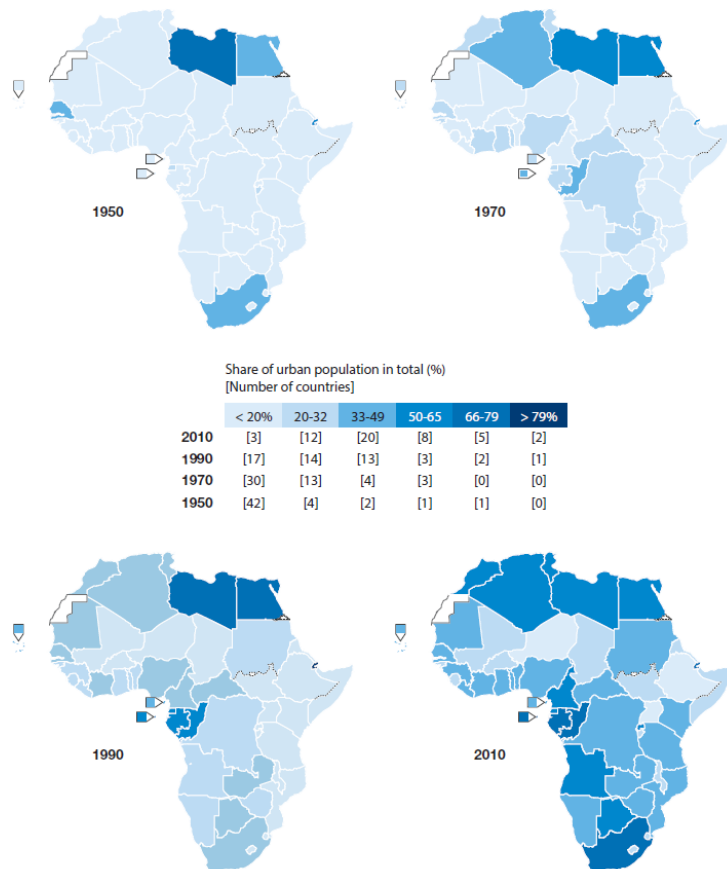
Path down a slope near Blk 211 that is regularly used by residents causing the grass to be worn away



In Toa Payoh East, wayfinding markers with block numbers such as blue sunflowers and red palm trees are painted on the pillars of some HDB blocks to help residents living with dementia find their way around the area

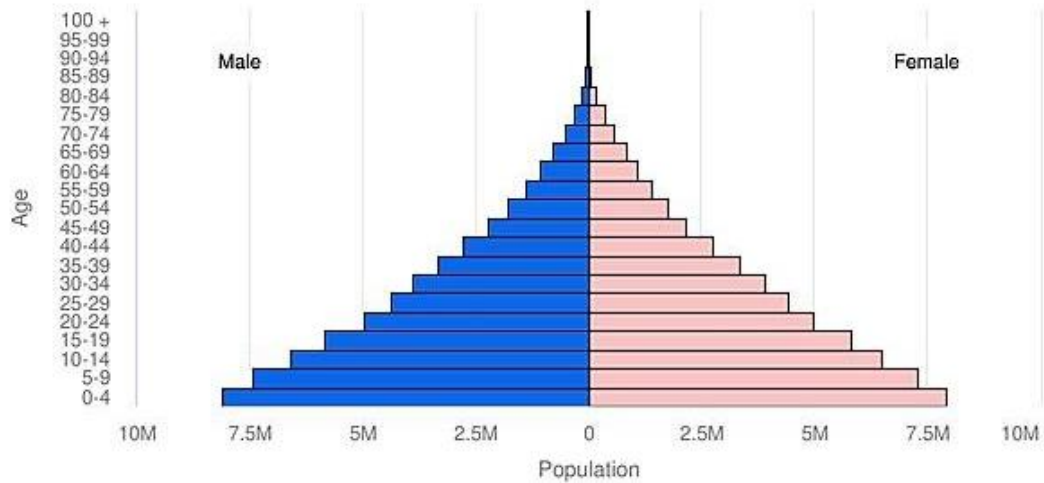
Resource 5 for Question 2

Share of urban population in total (%) in Africa 1950 – 2010



Resource 6 for Question 2

Population pyramid of Ethiopia in 2021



A population pyramid is a graph that shows the distribution of ages across a population divided down the center between male and female members of the population.

Resource 7A for Question 2

Setegn Meda slum in Addis Ababa, Ethiopia



Resource 7B for Question 2

Integrated Housing Development Programme (IHDP) housing – Jemo condominium – in Addis Ababa, Ethiopia



IHDP aims to build at least 400,000 housing units and create 200,000 new jobs, and support up to 10,000 micro and small enterprises to enhance the capacity of the construction industry.

Resource 8 for Question 2

Perceptions of residents on comfort and positive characteristics of IDHP housing in three cities in Ethiopia (%)

Respondents' perception of 'comfort' of their housing modality before and after the transition to IHDP (in percentages).

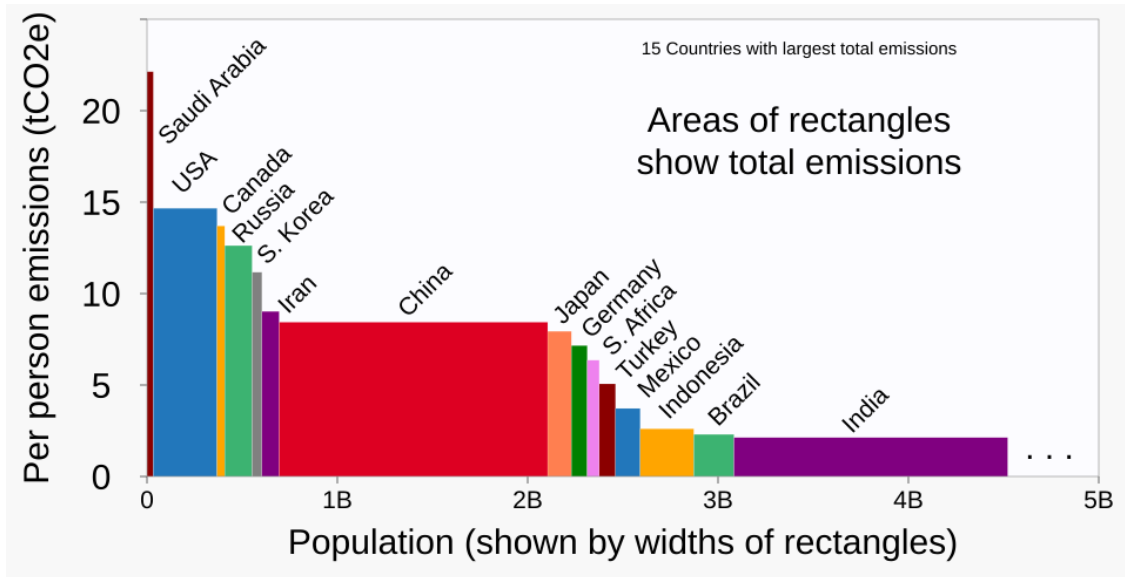
	<i>Bahir Dar</i>		<i>Gondar</i>		<i>Dessie</i>		<i>In total</i>	
	before	after	before	after	before	after	before	after
Comfort	90	10	63	37	52	48	64	36

Respondents' perception of positive characteristics of their home before and after the transition to IHDP (in percentages).

	<i>Bahir Dar</i>		<i>Gondar</i>		<i>Dessie</i>		<i>In total</i>	
	before	after	before	after	before	after	before	after
Social life	50	0	6	0	21	14	21	7
Freedom	0	100	63	100	36	50	38	75
Outdoor space and activities	20	0	6	0	15	7	13	4
Childcare	30	0	25	0	29	29	28	14

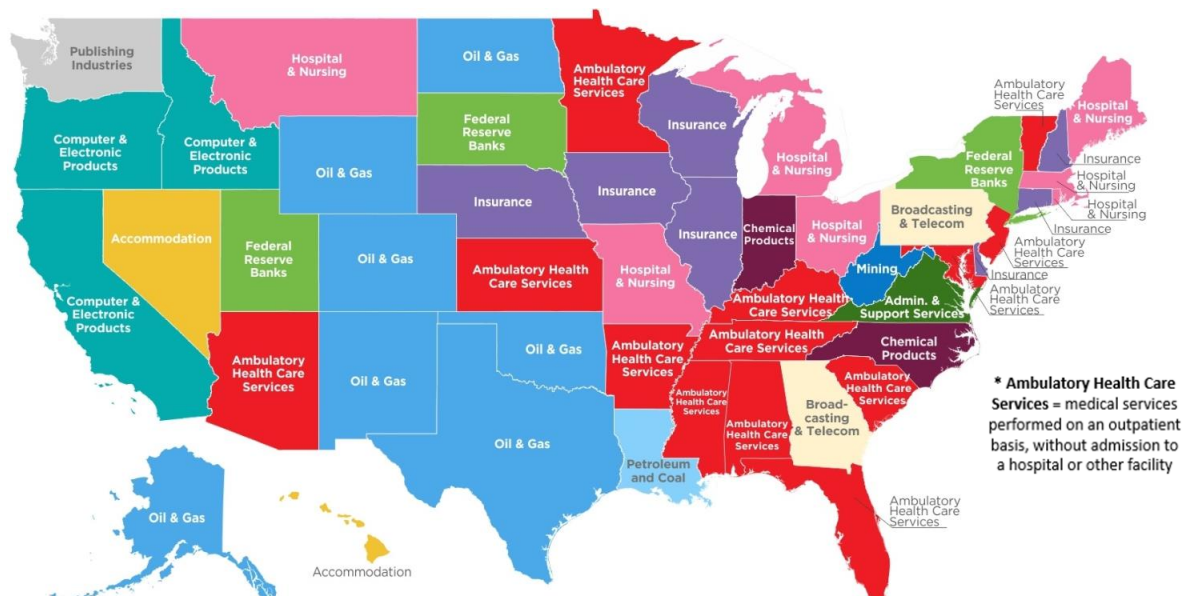
Resource 9 for Question 3

Carbon dioxide emissions per person in selected countries 2023



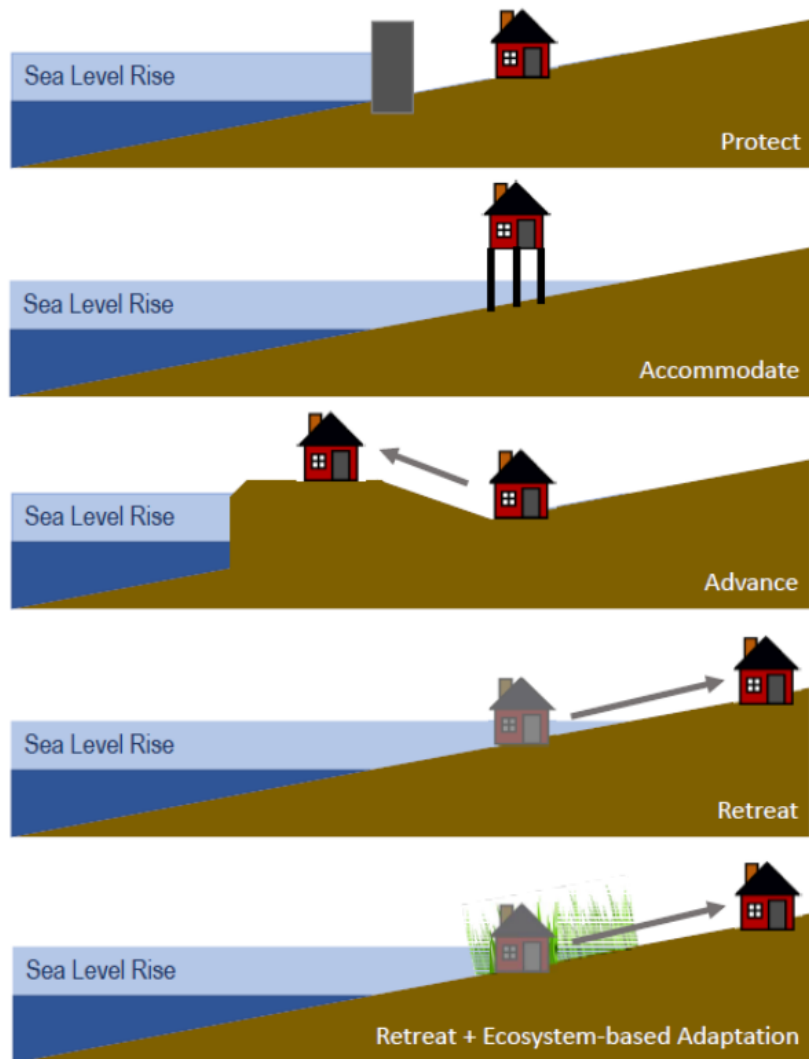
Resource 10 for Question 3

The largest industry of each state in the United States by GDP



Resource 11 for Question 3

Different ways of adapting to sea level rise



Acknowledgements

- Question 1 Resource 1 @ <https://www.reddit.com/r/singapore/comments/>
 Question 1 Resource 2 @ Author's own
 Question 1 Resource 3 @ Author's own
 Question 1 Resource 4 @ <https://www.dementiahub.sg/i-want-to-play-a-part/dementia-friendly-neighbourhoods/>
 Question 2 Resource 5 @ https://www.brookings.edu/wp-content/uploads/2020/07/200716_global_fotw_fig1_png
 Question 2 Resource 6 @ <https://www.cia.gov/the-world-factbook/>
 Question 2 Resource 7A @ <https://www.habitatforhumanity.org.uk/blog/2017/11/slum-housing-ethiopia-modernise/>
 Question 2 Resource 7B @ <https://www.reuters.com/article/world/ethiopians/>
 Question 2 Resource 8 @ <https://www.thebritishacademy.ac.uk/documents/3530/JBA-9s9-04-SunikkaBlank-Abdie-Bardhan.pdf>
 Question 3 Resource 9 @ <https://www.globalcarbonatlas.org/en/CO2-emissions>
 Question 3 Resource 10 @ <https://howmuch.net/articles/the-largest-industry-in-each-state-by-gdp>
 Question 3 Resource 11 @ Natural Resources Defense Council, 2019