

Name: _____

CG: _____

Date: _____

SERANGOON JUNIOR COLLEGE
JC2 H2 P2 GEOGRAPHY
2018 Preliminary Answer Scheme

DRQ 1

Rubric <i>Criteria to hit</i>	Marks	Reflection <i>(i) How different is my answer from the rubric?</i> <i>(ii) Why is it different?</i>
<p>a) Using Resource 1, identify the features that show attempts to regenerate the High Line.</p> <p>Some ideas :</p> <ul style="list-style-type: none">• Greening of the city via the creation of the linear park improves aesthetic appeal and improves the walkability of the high line• Pedestrianisation (building of an elevated linear park facilitates pedestrian flows above vehicular traffic).• Addition of cultural attractions such as the Whitney Museum of American Art and The Plinth appeal to both locals and tourists• etc	[4]	
<p>(b) Suggest reasons why the students conducted focus group discussions and categorised the focus groups as shown in Resource 2.</p> <ul style="list-style-type: none">• As the research focus is about the needs of low income groups, focus groups provide a means to derive a rich source of qualitative data.<ul style="list-style-type: none">➤ Personal contact between the facilitator and participants often results in more meaningful answers.	[5]	

<ul style="list-style-type: none"> ➤ In focus groups, participants can build on each others' answers, leading to a wider range of responses. • Unlike interviews, focus groups allows for the researcher to gather the opinions of a large number of people for comparatively little time and expense. • The participants are categorised according to age and ethnicity as different demographic characteristics have different needs and experiences of the High Line : <ul style="list-style-type: none"> ➤ For younger age groups, they may desire more recreation and leisure along the High Line. While older age groups, may desire more job opportunities and access to affordable amenities / services. ➤ Ethnic minorities may be seeking more inclusive activities • Being in a group with similar age and ethnicity may also make the participants more at ease, facilitating the generation of responses 		
<p>(c) Explain how the group may overcome ethical concerns they face in their collection of primary data for this investigation.</p> <ul style="list-style-type: none"> • Informed consent – Before the session, the group should be informed of the research focus, demands and risks associated with the focus group discussion • Communicate and enforce ground rules - In a focus group setting, participants may be rude and judgemental ; the student facilitator should enforce expectations on appropriate behaviour during the session. • Be respectful when speaking to participants – do not pass judgment or make jokes about what they share • Do not ask sensitive information – Avoid asking personal information such as income, employment, specific age, marital status. If such information needs to be solicited, do so via self-administered questionnaire survey so as to protect the privacy of the participants. 	[4]	

d) Outline the steps you will take to analyse and present the data collected from the focus group discussions.

[5]

**Record
Transcription
Coding :**

- Prepare a list of themes/topics ; these were serve as codes in the transcript
- Annotate these themes/topics in the transcript

Box 27.1 Coding an interview

Text	<i>In vivo</i> codes/description	Analytic codes
Q: What do you expect to see happen as people hit [welfare] time limits or are cut off from programmes?		
A: Yeah, the safety net thing. I see them coming into that. I suspect, and the big picture here if you look at the [welfare] population approximately a third of the individuals can probably get work on their own or with a little bit of help, another third need some fairly intensive services, basically all the services that the employment and training and other human services community can provide them, and then I believe – and this is my own opinion – that there is probably another third or so that really are going to have a very very hard time of things after the five-year limit. They may be in a situation where they're really not going to be able to work. There are some people who have serious	safety net who can work who needs services who is unable to work	issue of 'creaming' – early success of those ready to work role of job training and support services 'hard to reach' population

(Continued)

Presentation of data :

- Prepare an executive summary with the key findings from the coding and analysis of the transcript

(e) Using Resources 1 and 3, evaluate if the needs of local residents have been met and suggest how this evaluation can aid urban planning.

[7]

Level	Marks	Descriptors
3	6-7	<p>Response demonstrates a clear knowledge and understanding of the context in the question. Uses relevant, detailed and accurate factual information and conceptual understanding. Reflects strong critical thinking skills and may include perceptive insights for the strongest responses. Source(s) is well used to support the response.</p> <p>Provides a logical and well-developed evaluation well founded on evidence and/or different viewpoints.</p> <p>OR</p> <p>Makes a decision which clearly addresses different elements of the issue and/or interest of different stakeholders</p>
2	4-5	<p>A satisfactory response which is generally sound and contains relevant points, but may not always focus on the context in the question. Uses factual information and conceptual understanding that is generally appropriate to the given context but lacks detail and may contain some inaccuracies. Displays general critical thinking skills. Source(s) is used to support parts of the response.</p> <p>Provides an evaluation, which may be limited in depth and sufficient elaboration in some parts.</p> <p>OR</p> <p>Shows some attempt to address different elements of the issue and/or views of different stakeholders when making a decision but is not well-developed</p>
1	1-3	<p>Response shows a poor understanding of the context in the question. Uses basic factual information and conceptual understanding which has some, but limited relevance to the question. Source(s) is not used or not accurately used to support the response.</p> <p>Provides little or no evaluation</p>

		OR •evidence of decision-making, if present, is simple and may be flawed		
0	0	No creditworthy response.		
<p><u>Evaluation</u></p> <p>Overall evaluation : Largely not met, given the dominance of negative feedback regarding regeneration efforts. Evident that the bulk of new amenities, services and infrastructural improvements cater to tourists and the rich, neglecting the needs of low-income residents.</p> <ul style="list-style-type: none"> • To some extent , yes: <ul style="list-style-type: none"> ➤ Cite relevant evidence • To a large extent, no : <ul style="list-style-type: none"> ➤ Provision of amenities and services lacking ➤ Recreation inadequate ➤ Likely that specific groups feel more excluded than others <ul style="list-style-type: none"> ○ Although the estate is near the High Line Park, which is accessible by two stairs, this may be inaccessible to the elderly and immobile ○ Closing down of nearby provision shops affects the elderly more, as they are less physically mobile and will have difficulty accessing shops further away • More information needed to assess if needs have been met: <ul style="list-style-type: none"> ➤ Types of needs of specific demographic groups ➤ Employment opportunities <p><u>Relevance to urban authorities</u></p> <ul style="list-style-type: none"> • By understanding the impacts of such urban regeneration projects on low income residents, urban authorities are able to plan for infrastructure, amenities and services that are more inclusive. For example : <ul style="list-style-type: none"> ➤ Ensuring that there is a catchment of provision shops and cheaper eateries closer to low-income public housing estates. ➤ Plan for more appealing arts and cultural activities (eg – Latin dance parties) along the High line 				

➤ Creating recreational spaces for local communities in their neighbourhood (such as skating parks)		
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DRQ 4

Rubric <i>Criteria to hit</i>	Marks	Reflection <i>(i) How different is my answer from the rubric?</i> <i>(ii) Why is it different?</i>						
<p>a) Suggest three reasons for the trends in Myanmar's electricity production by hydropower from 2003-2012, as observed in Resource 1.</p> <ul style="list-style-type: none"> ○ Steady increase and subsequent domination of hydropower as a source of electricity (cite stats) ○ Possible reasons : <ul style="list-style-type: none"> ➤ High costs of importing or extracting fossil fuels, thus rendering hydropower a less costly energy option ➤ Abundance of rivers located in mountainous areas make tapping hydropower economically feasible ➤ Financial support from international banks to develop hydropower capabilities due to increasing emphasis on renewable energy (esp in light of climate change) 	<p>[5]</p>							
<p>(b) Using Resource 2, compare the distribution of existing and planned hydropower plants in Myanmar.</p> <table border="1"> <tr> <td></td><td>Existing</td><td>Planned</td></tr> <tr> <td>Difference 1</td><td>Southern and central regions of Myanmar</td><td>Northern and more peripheral regions of Myanmar</td></tr> </table>		Existing	Planned	Difference 1	Southern and central regions of Myanmar	Northern and more peripheral regions of Myanmar	<p>[4]</p>	
	Existing	Planned						
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	Difference 2	Located close to major cities and state capitals. For instance, there is a cluster of 4 hydro power plants near Nay Pyi Taw, 4 plants near Lolkaw and another 6 near Mandalay and Sagaing.	Located further from major cities and state capitals.		
<p>(c) With reference to Resource 3 and your own knowledge, outline possible reasons why local communities opposed the construction of the Myitsone dam.</p> <p>Given the many mega-dam projects built along the Mali and N'Mai rivers, local communities will be well aware of the various issues pertaining to these projects, intensifying opposition.</p> <ul style="list-style-type: none"> ○ <u>Political reasons :</u> <ul style="list-style-type: none"> ➤ In light of ongoing conflicts between various ethnic minority groups and the government, there may be a lingering distrust of the government's intentions in approving this mega-dam project, hence leading to lack of local support. ○ <u>Environmental reasons :</u> <ul style="list-style-type: none"> ➤ Building of dam is likely to inundate forests located upstream of the Myitsone Dam. There will be significant loss of biodiversity, esp. since the site is identified as one of the world's top biodiversity spots ➤ Impoundment of water behind a dam can also trigger earthquakes. The huge volume of water impounded can assert stress on crustal rocks. This is of specific concern as the region is tectonically active. ➤ Construction of a dam can block or delay upstream fish migration and can lead to the decline or even extinction of species that depend on longitudinal movements along the stream during different phases of their life cycle. ○ <u>Cultural reasons :</u> 				[8]	

<ul style="list-style-type: none"> ➤ There will be loss of significant historical and cultural sites at the Mali and N'mai Hka river due to inundation following the building of the dam. This loss can threaten the cultural identity of the many ethnic minority groups residing in the region. ○ <u>Social reasons :</u> <ul style="list-style-type: none"> ➤ Big dams often displace inhabitants of the area to be inundated. Most affected communities are ethnic minority groups, which are already economically and socially vulnerable. While compensation may be offered, many inhabitants may not possess formal ownership documents, slowing or preventing legal compensation. ○ <u>Economic reasons:</u> <ul style="list-style-type: none"> ➤ Although the sale of energy to China will earn export revenue for Myanmar, some may question the extent of economic benefits for local communities. ➤ Agriculture and livelihoods will be adversely affected. Mega dams reduce flow downstream, leading to less flooding, hence floodplains will not be recharged with fertile sediment. Even if flooding did occur, input of fertile sediment is limited due to trapping of sediment behind the dam. ➤ Decline in aquatic species can adversely affect fisheries. 								
<p>(d) Citing evidence from all resources and your own knowledge, recommend whether Myanmar should prioritise further investment in hydropower or develop wind power capabilities.</p> <table border="1"> <thead> <tr> <th>Level</th><th>Marks</th><th>Descriptors</th></tr> </thead> <tbody> <tr> <td>3</td><td>7-8</td><td> <p>Response demonstrates a clear knowledge and understanding of the context in the question. Uses relevant, detailed and accurate factual information and conceptual understanding. Reflects strong critical thinking skills and may include perceptive insights for the strongest responses. Source(s) is well used to support the response.</p> <p>Provides a logical and well-developed evaluation well founded on evidence and/or different viewpoints.</p> <p>OR</p> <p>Makes a decision which clearly addresses different elements of the issue and/or</p> </td></tr> </tbody> </table>	Level	Marks	Descriptors	3	7-8	<p>Response demonstrates a clear knowledge and understanding of the context in the question. Uses relevant, detailed and accurate factual information and conceptual understanding. Reflects strong critical thinking skills and may include perceptive insights for the strongest responses. Source(s) is well used to support the response.</p> <p>Provides a logical and well-developed evaluation well founded on evidence and/or different viewpoints.</p> <p>OR</p> <p>Makes a decision which clearly addresses different elements of the issue and/or</p>	[8]	
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0	0	No creditworthy response.		
<p><u>Possible argument(s) : develop wind power capabilities instead</u></p> <ul style="list-style-type: none"> • Hydropower projects (esp. mega dam projects) bring extensive negative impacts and are highly controversial. In contrast, wind power brings less extensive adverse impacts (ecological impact such as death of birds is rare ; due to the remote location of many wind power plants, adverse impacts on local communities such as noise pollution are limited). • Hydropower is an unreliable source of energy during drier months, unlike wind power which is relatively consistent throughout the year. • Further technological advancements can increase energy generation from wind power plants, such as offshore wind turbines. 				

