



Catholic Junior College
JC2 Preliminary Examinations
Higher 1

GEOGRAPHY

8813/01

Paper 1

22 August 2017

3 Hours

READ THESE INSTRUCTIONS FIRST

This Insert contains all the Photographs, Table and Figures referred to in the questions.

This document consists of 6 printed pages and 1 blank page.

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Resource 1 for Question 1
Eastern Wing of Bishan Park



Resource 2 for Question 1
Photograph of Field Investigation Site



Source: <https://fi.pinterest.com/pin/320811173435247846/>

Resource 3 for Question 1

Questionnaire for Flood Risk Survey

1. How long have you lived near this park?

- ☐ Less than 1 year
- ☐ 1–5 years
- ☐ 6–10 years
- ☐ 11–20 years
- ☐ More than 20 years

2. What is your age?

- ☐ Less than 18-years-old
- ☐ 19 to 35-years-old
- ☐ 36 to 59-years-old
- ☐ 60-years-old and above

3. What is your gender?

- ☐ Male
- ☐ Female

4. What is your housing type?

- ☐ 3-room flat HDB
- ☐ 4-room flat HDB
- ☐ 5-room flat HDB
- ☐ Condominium

5. On a scale of 1 (not at all concerned) to 4 (very concerned), how concerned are you about the risk of flooding in this park? (Circle the appropriate circle)

1 2 3 4

6. Has your current home ever been flooded in the past? YES/NO

If YES, can you tell us briefly when, and what caused the flood?

7. On a scale of 1 (very low) to 4 (very high), what is your current understanding of the risk of your home being affected by flooding?

1 2 3 4

8. What do you think of flood management measures in the park?

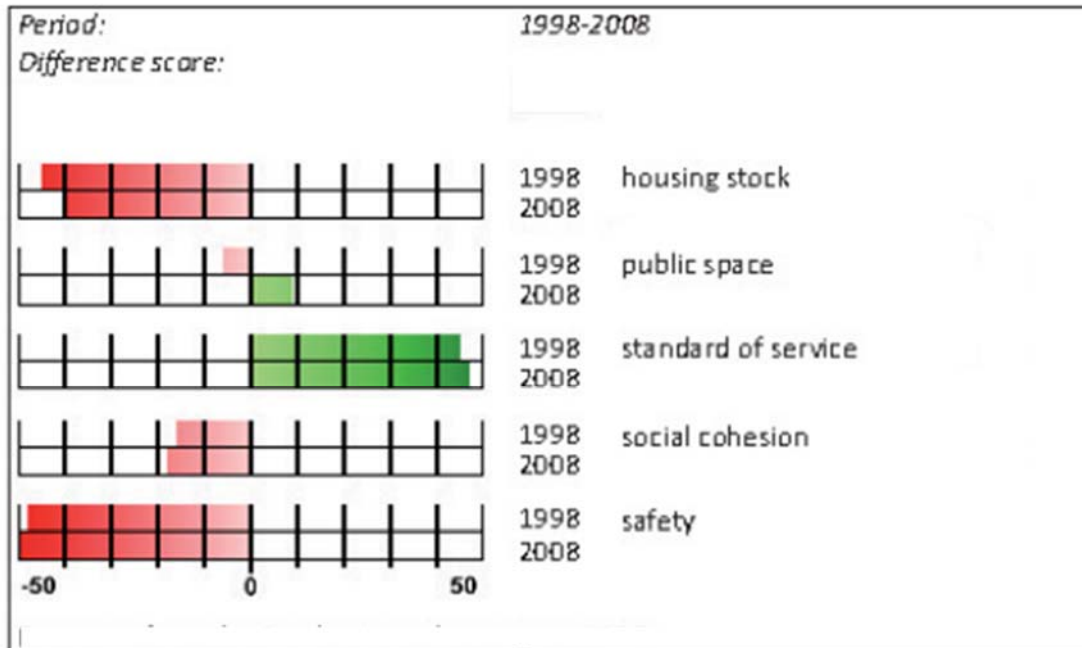
Resource 4 for Question 2

Changes in selected socio-economic characteristics in Oude Noorden, Spangen and Rotterdam average

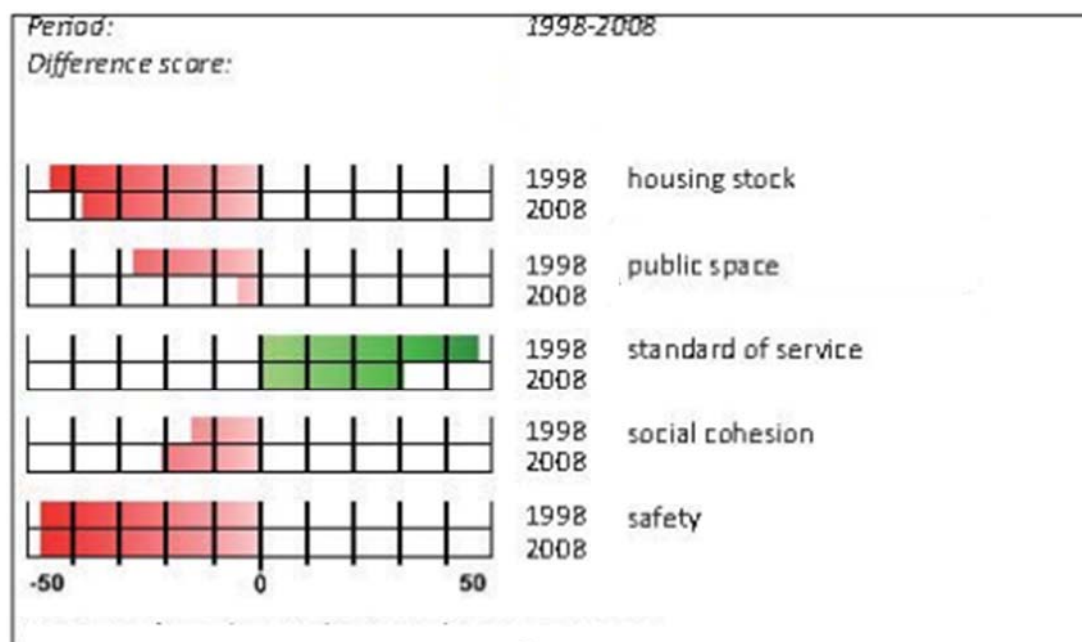
Specification	Oude Noorden		Spangen	
	Initial Measurement	Recent	Initial Measurement	Recent
Share of Immigrants (1999-2009)	58%	65%	80%	85%
Share of low income (2002-2008)	62%	65%	75%	66%
Unemployment percentage (2000-2010)	10%	6%	11%	6%
Liveability Score (1998-2008)	Negative	Mediocre	Very Negative	Negative
Share of inhabitants that is satisfied with their area (2002-2009)	47%	64%	31%	66%

Resource 5 for Question 2
Deviation of Liveability Indicators of Oude Noorden and Spangen from the National Average

Liveability indicators- Deviation from national average (Oude Noorden)



Liveability indicators- Deviation from national average (Spangen)



Resource 6 for Question 2
Increase in Property Tax Rates in Rotterdam (2000 to 2008)

