

INNOVA JUNIOR COLLEGE
JC2 MID YEAR EXAMINATIONS
in preparation for General Certificate of Education Advanced Level
Higher 1

GEOGRAPHY

8813/01

Paper 1

24th August 2017

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3 hours

READ THESE INSTRUCTIONS FIRST

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

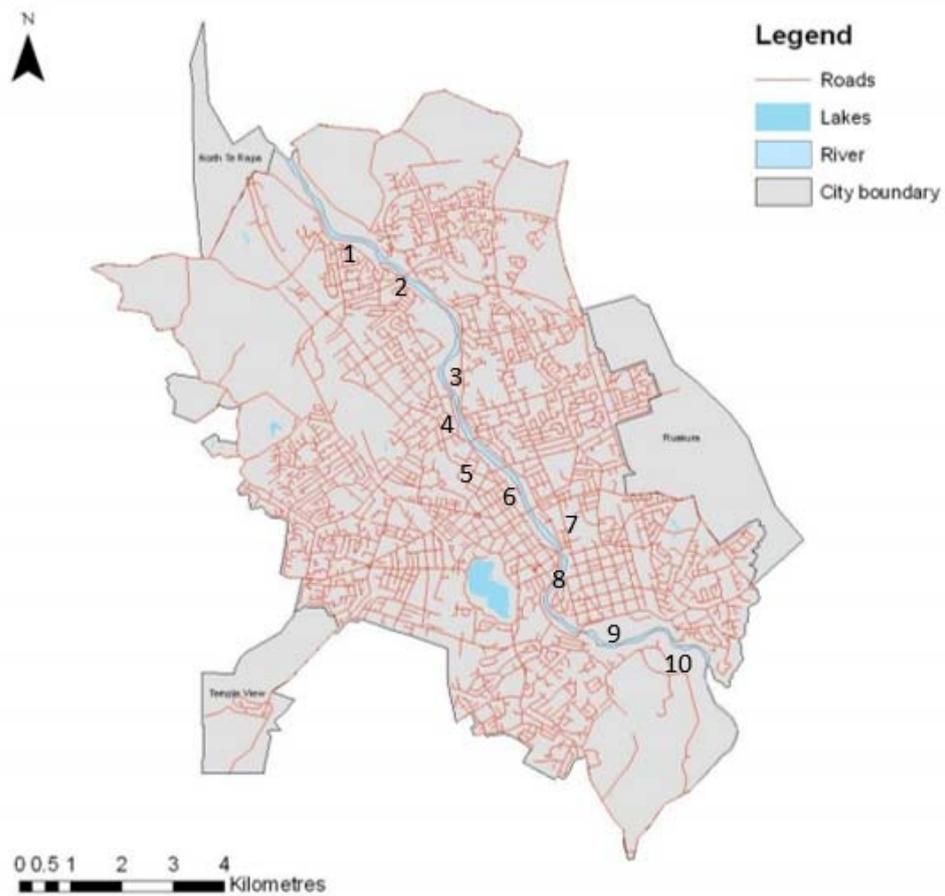
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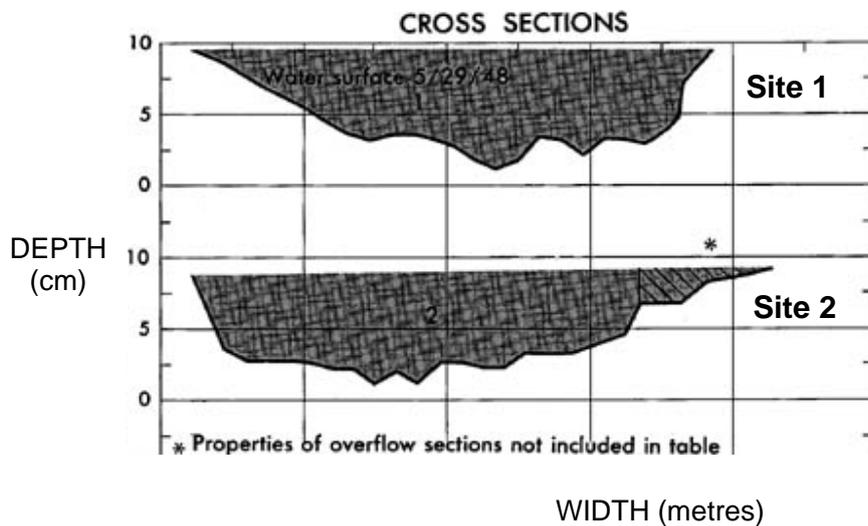
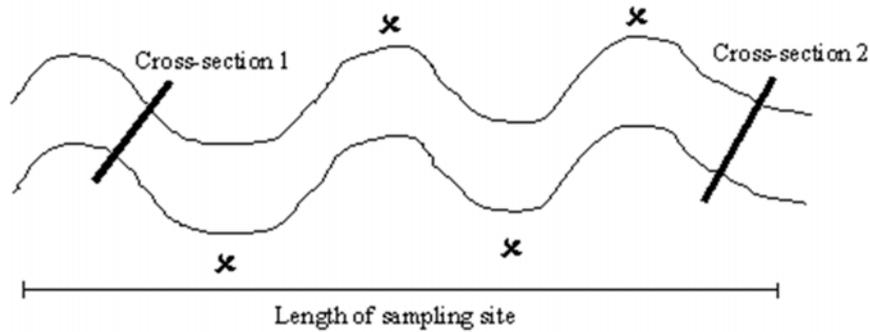
Resource 1 for Question 1

A tributary stream of the Waikato River and the 10 study sites



Resource 2 for Question 1

Plan sketch of sites 1 and 2



Resource 3 for Question 1

Data collected on river velocity at Site 1 and 2

Time	Site 1 Velocity (m/s)				Site 2 Velocity (m/s)			
	Left bank	Mid-section	Right bank	average	Left bank	Mid-section	Right bank	average
10.00	0.42	0.48	0.46	0.45	0.36	0.40	0.45	0.44
10.30	0.50	0.50	0.48	0.49	0.52	0.58	0.56	0.55
11.00	0.56	0.59	0.55	0.56	0.62	0.63	0.66	0.67

Resource 4 for Question 1

A protected environment in Singapore



Resource 5 for Question 2

Photographs of two regions in Bangkok, Thailand



Resource 5A shows Ideo O2 Condominium in Bangkok



Photograph 5B shows the slum region under a bridge in Bangkok, Thailand

Resource 6 for Question 2

A poster of Singapore's reimagining strategy to become a smart city

Smart Singapore

Singapore is expanding its use of technology to entrench its position as a leading global city and improve Singaporeans' quality of life. Here are some upcoming initiatives:

Punggol pilot: The first "smart" housing project will be launched in Punggol next year, and will include energy-efficient measures like motion sensor lights in carparks.

One ring to pay them all: An embedded chip could turn a ring, a watch or your identity card into a payment device, eliminating the need for cash or credit cards.

Remember me: A new digital platform is being developed to bypass the need for citizens to provide their personal data repeatedly for government transactions.

Mapping the future: A new 3D map project called Virtual Singapore will integrate layers of data about Singapore's buildings, land and environment. Government agencies and other organisations can use it to solve problems such as identifying the most flood-prone areas, while the public can contribute information like traffic patterns or the locations of their favourite nasi lemak stores.

Phone home: Controlling household appliances from a smart phone may be possible once HDB determines the digital infrastructure needed for an automated home. Trials start next year.

Senior sensors: Sensors in the homes of the elderly will monitor their movements and send alerts to caregivers if irregular behaviour is detected.

Virtual therapy: A "tele-rehab" system being tested at community hospitals will allow patients to perform therapy exercises at home, while sensors attached to their limbs transmit data back to the hospitals.

Where's my bus: By next March, commuters can use the MyTransport app to find out bus arrival times by the minute and how crowded each bus is.

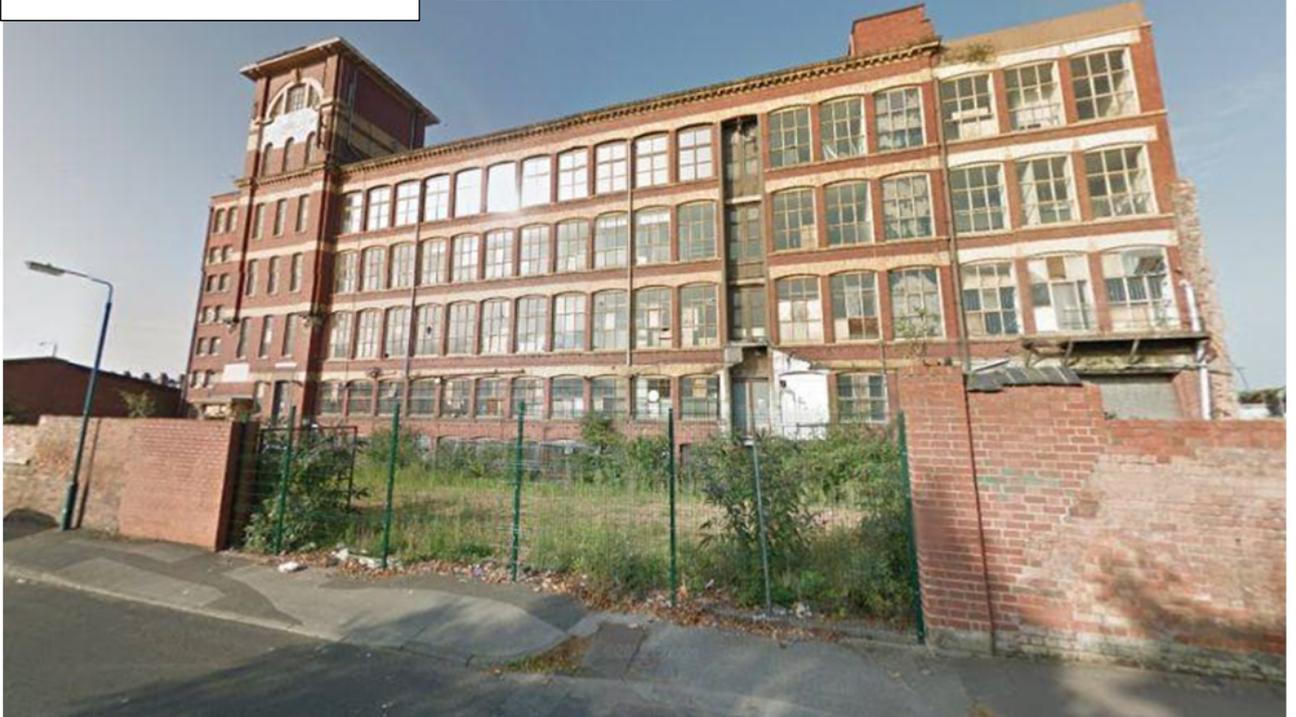
"Public" transport: Self-driving cars will be tested on public roads for the first time come January next year, in One-North at Buona Vista.

GRAPHICS: MIKE M DEZON AND CHING CHOON HIONG TEXT: RACHEL AU-YONG

Resource 7 for Question 2**An area in Nottingham, UK which has gone through decline**

Nottingham takes over Glasgow and Liverpool as Britain's number one blackspot in unemployment.

A run-down mill in Nottingham. Constructed in the 19th century, it once provided employment to hundreds of Nottingham residents, making it an integral part of the community. Finally closed down in the late 20th century, the Victorian mill quickly decayed into a ruin.



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