



**Cambridge International Examinations**  
Cambridge International General Certificate of Secondary Education

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**GEOGRAPHY**

**0460/41**

Paper 4 Alternative to Coursework

**May/June 2016**

INSERT

**1 hour 30 minutes**

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**READ THESE INSTRUCTIONS FIRST**

This Insert contains Fig. 1, Table 1 and Photograph A for Question 1 and Fig. 5, Tables 2, 3 and 4 for Question 2.

The Insert is **not** required by the Examiner.

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The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

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This document consists of **7** printed pages and **1** blank page.

Fig. 1 for Question 1

Measuring equipment (not to scale)



tape  
measure

Table 1 for Question 1

## Results of the students' measurements

	Site	Average gradient (degrees)	Average velocity (m/s)
upstream	1	8	0.76
	2	7	0.38
	3	4	0.48
	4	2	0.21
	5	<b>4</b>	<b>0.63</b>
	6	3	0.44
	7	10	1.08
	8	4	0.31
	9	1	<b>0.45</b>
downstream	10	2	0.30

Photograph A for Question 1

Digital flowmeter

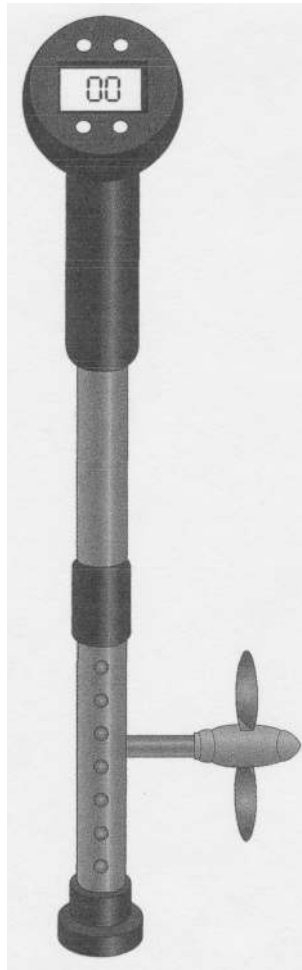


Fig. 5 for Question 2

Local area of Tianjin

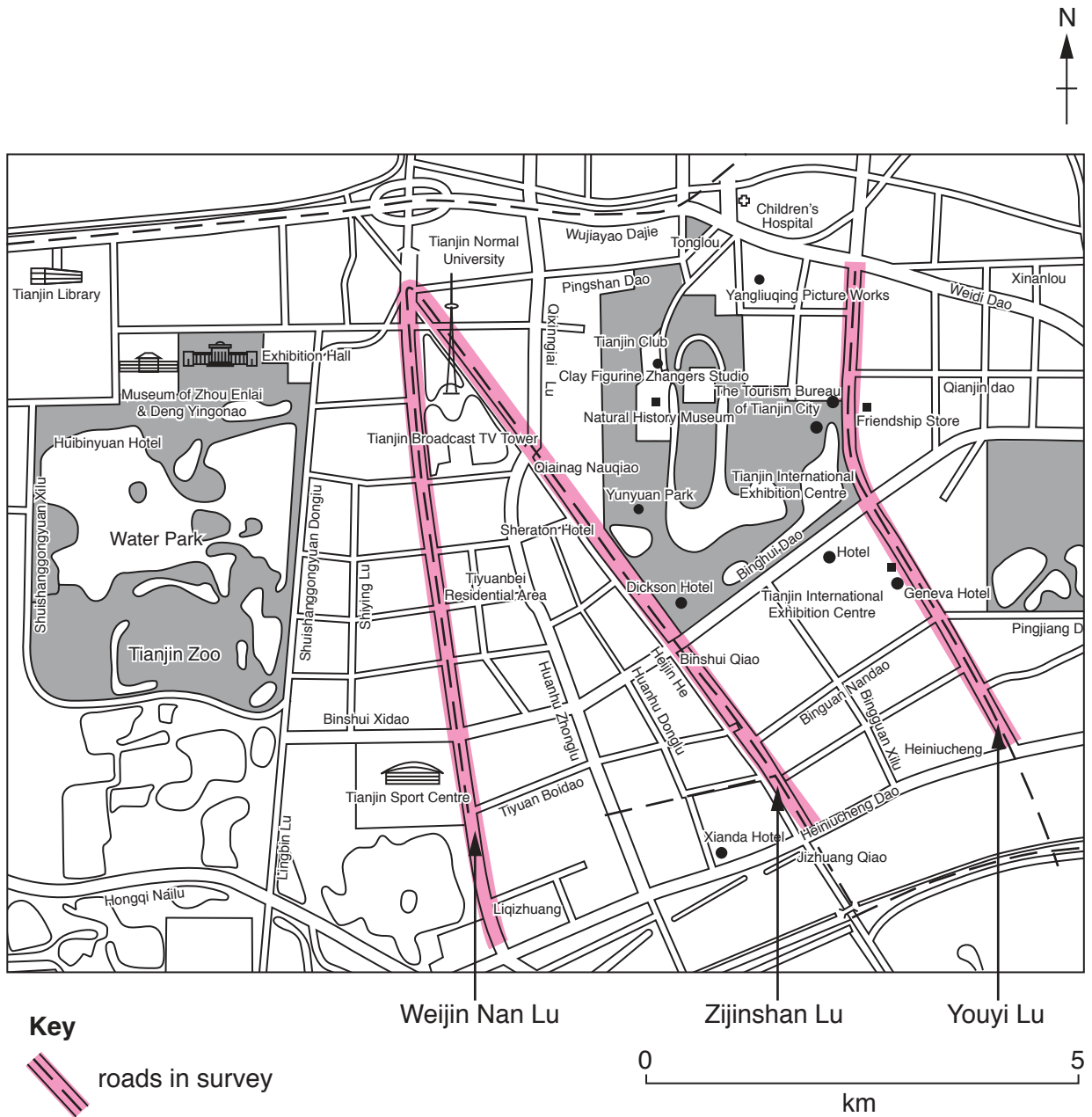


Table 2 for Question 2

## Land use classification on Zijinshan Lu

Land use category	Number of sections along transect	
	Group 1	Group 2
residential	416	420
business	184	172
tourism	39	48
public	36	35
unoccupied	75	68
open land	6	7
Total	756	750

Table 3 for Question 2

## Percentage of land use along each road

Land use category	Weijin Nan Lu	Zijinshan Lu	Youyi Lu
residential	<b>45</b>	55	16
business	<b>29</b>	24	59
tourism	<b>15</b>	5	<b>12</b>
public	1	5	<b>10</b>
unoccupied	6	10	<b>2</b>
open land	4	1	1

Table 4 for Question 2

## Age of buildings along each road (%)

Land use category	Weijin Nan Lu			Zijinshan Lu			Youyi Lu		
	old	recent	new	old	recent	new	old	recent	new
residential	58	13	29	82	14	4	91	2	7
business	7	<b>25</b>	<b>68</b>	18	45	37	13	51	36

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