

RIVER VALLEY HIGH SCHOOL
General Certificate of Education Advanced Level
Preliminary Examination II
Higher 2

GEOGRAPHY
Paper 2

9730/02
21 September 2015
3 hours

Additional Materials: Writing Paper
 1 Insert
 World outline map
 Cover Page

READ THESE INSTRUCTIONS FIRST

Write your name, admission number and class on all the work you hand in.
Write in dark blue or black pen on both sides of the paper.
You may use a soft pencil for any diagrams, graphs, or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.

Section A

- Answer **all** questions

Section B

- Answer **two** questions, each from a different topic.

The Insert contains all the Figures and Tables referred to in the questions.
You should make reference to appropriate examples studied in the field or the classroom, even where such examples are not specifically required by the question.
Diagrams and sketch maps should be drawn whenever they serve to illustrate an answer.
The World outline map may be annotated and handed in with relevant answers.
You are reminded of the need for good English and clear presentation in your answers.

At the end of the examination, fasten all your work below the cover page securely together.
The number of marks is given in brackets [] at the end of each question or part question.

This document consists of 5 printed pages, 3 blank pages and 1 Insert.



[Turn over

Section A

Answer **all** the questions in this section.
 Questions 1, 2 and 4 carry 12 marks and Question 3 carries 14 marks.
 You should allocate your time accordingly.

The Globalisation of Economic Activity

- 1 Table 1 shows the changes in percentage of workers employed in services in different parts of the World from 1996 to 2012. Fig. 1 shows the World Bank estimate of percentage of workers in services in 2010.
- (a) Distinguish between producer and consumer services. [1]
 - (b) Describe the trend of service employment shown in Table 1 and Fig. 1. [4]
 - (c) Explain the main forces that drive the change in service employment in both DCs and LDCs. [4]
 - (d) What is service outsourcing? Explain why not all services can be outsourced. [3]

Population Issues and Challenges

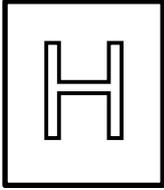
- 2 Fig. 2 shows the distribution of the elderly population in Singapore in year 2010. Table 2 shows the details of the 12 pilot sites for the Wellness Programme initiated by the People's Association (PA). The programme aims to help the elderly to remain mentally, physically and socially active by encouraging seniors to go for health screenings and to participate in social and recreation activities.
- (a) Describe the distribution of the elderly population shown in Fig. 2. [3]
 - (b) With reference to Table 2, suggest reasons for the location of the pilot sites for the Wellness Programme. [3]
 - (c) Primary research is useful to determine the suitability of location of the Wellness Centre in each neighbourhood. Design a recording sheet to use when conducting a fieldwork study of the neighbourhood of your choice. Briefly explain how you will conduct the study. [6]

Urban Issues and Challenges

- 3 Fig. 3 shows the sources of carbon emissions of 12 cities in China in 2008, including Tianjin, an eco-city. Fig. 4 is an extract from *Green Cities, United Nations Environment Programme*, 2011, describing how cities can work towards becoming more sustainable.
- (a) Define the term *eco-city*. [1]
 - (b) With reference to Fig. 3, describe the sources of carbon emissions found in the cities of China in 2008. [4]
 - (c) With reference to Figs. 3 and 4, suggest ways in which Tianjin can further reduce its ecological footprint. [6]
 - (d) Explain how the development of an eco-city can promote greater urban liveability for its city dwellers. [3]

The Globalisation of Economic Activity / Urban Issues and Challenges

- 4 Fig. 5 shows the ranking of the World's megacities in 2007 and the projected changes in 2025.
- (a) Describe and suggest reasons for the trend in the global distribution of megacities shown in Fig. 5. [6]
 - (b) Distinguish between megacities and primate cities. [1]
 - (c) Discuss the impacts of the growth of primate cities in LDCs. [5]



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This document consists of 5 printed pages and 1 blank page.



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Table 1 and Fig. 1 for Question 1

Changes in percentage of workers employed in services in the World from 1996-2012

	Service employment as % of total employment	
	1996	2012
World	35.5	44.0
Developed countries (DCs) inc. European Union	66.4	73.9
Latin America and the Caribbean	56.5	62.6
Commonwealth of Independent States and Central and Eastern Europe (non-EU)	45.8	54.1
Middle East and North Africa	48.6	52.5
Southeast Asia and the Pacific	32.7	39.6
East Asia	20.7	37.1
Sub-Saharan Africa	22.9	29.3
South Asia	25.3	28.1

Source: Based on ILO (2007: 12, Table 5; 2012: 141, Table A11)

Table 1

World Bank estimate of percentage of workers in services in 2010

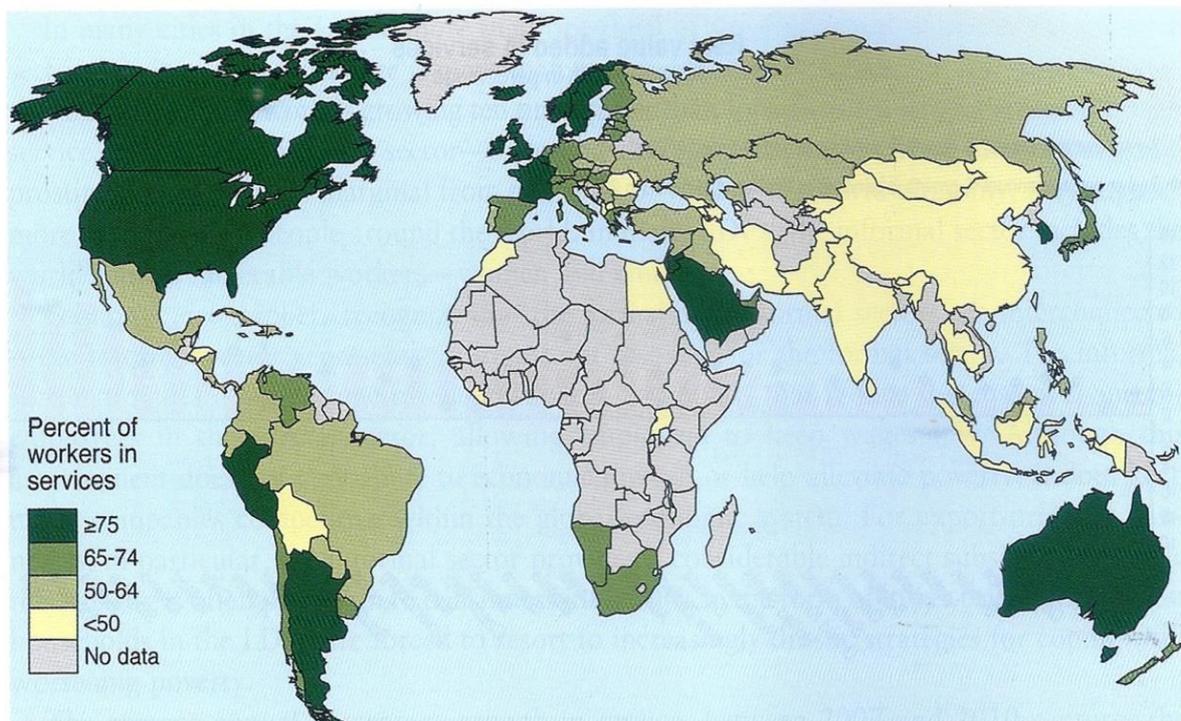
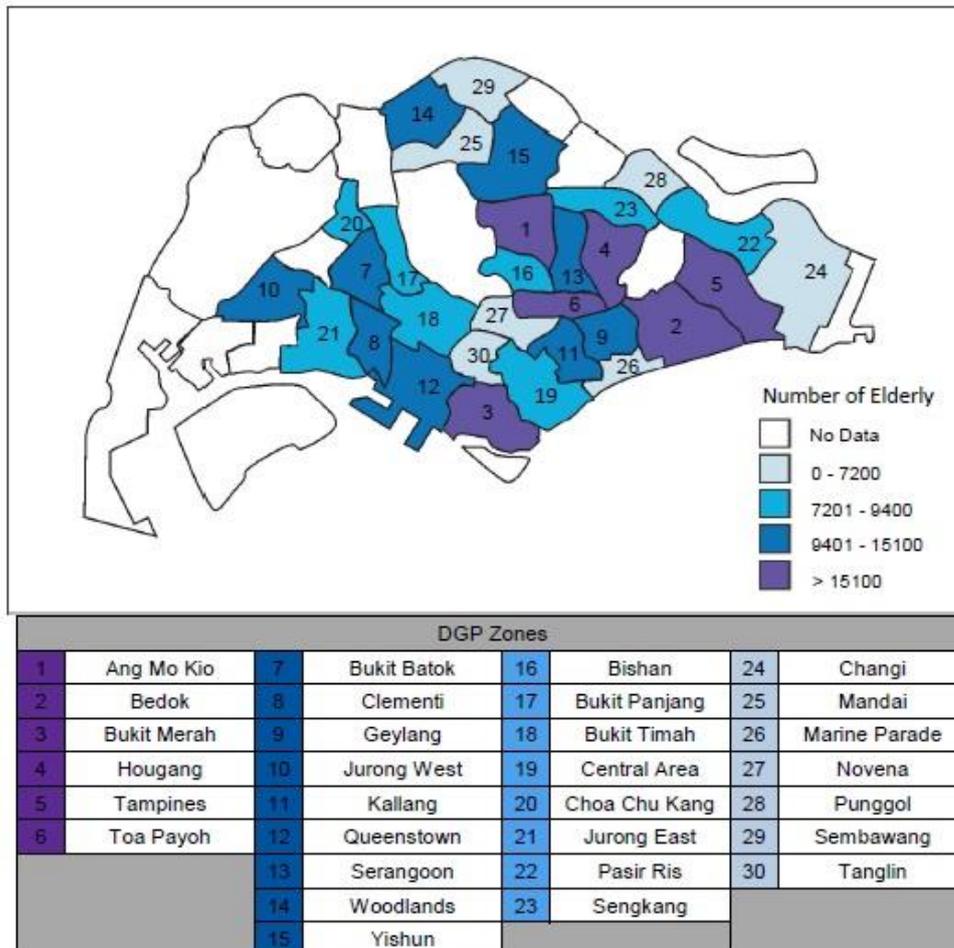


Fig. 1

Fig. 2 and Table 2 for Question 2

Distribution of elderly in Singapore 2010



* DGP refers to the Development Guide Plan proposed by the Urban Redevelopment Authority of Singapore

Fig. 2

Location of Pilot Sites for the Wellness Programme

No.	Details	No.	Details
1	Bukit Timah Wellness Programme c/o Bukit Timah Community Centre	7	Radin Mas Senior Connect Plus Centre c/o Bukit Merah Community Centre
2	Bukit Panjang Wellness Programme c/o Bukit Panjang Community Centre	8	Ulu Pandan Wellness Centre
3	Jalan Besar Wellness Programme c/o Jalan Besar Community Centre	9	Wellness @ Jurong Central c.o Jurong Central (Silver Circle)
4	Kebun Baru Wellness Programme c/o Kebun Baru Community Centre	10	Wellness Programme @ MacPherson c/o MacPherson Community Centre
5	Kreta Ayer – Kim Seng Wellness Programme c/o Kreta Ayer Community Centre	11	Wellness @ Punggol South c/o Punggol South Silver Circle
6	Paya Lebar Wellness Centre	12	Whampoa Care Programme c/o Whampoa Community Centre

Table 2

Figs. 3 and 4 for Question 3

Sources of carbon emissions of 12 cities in China, 2008

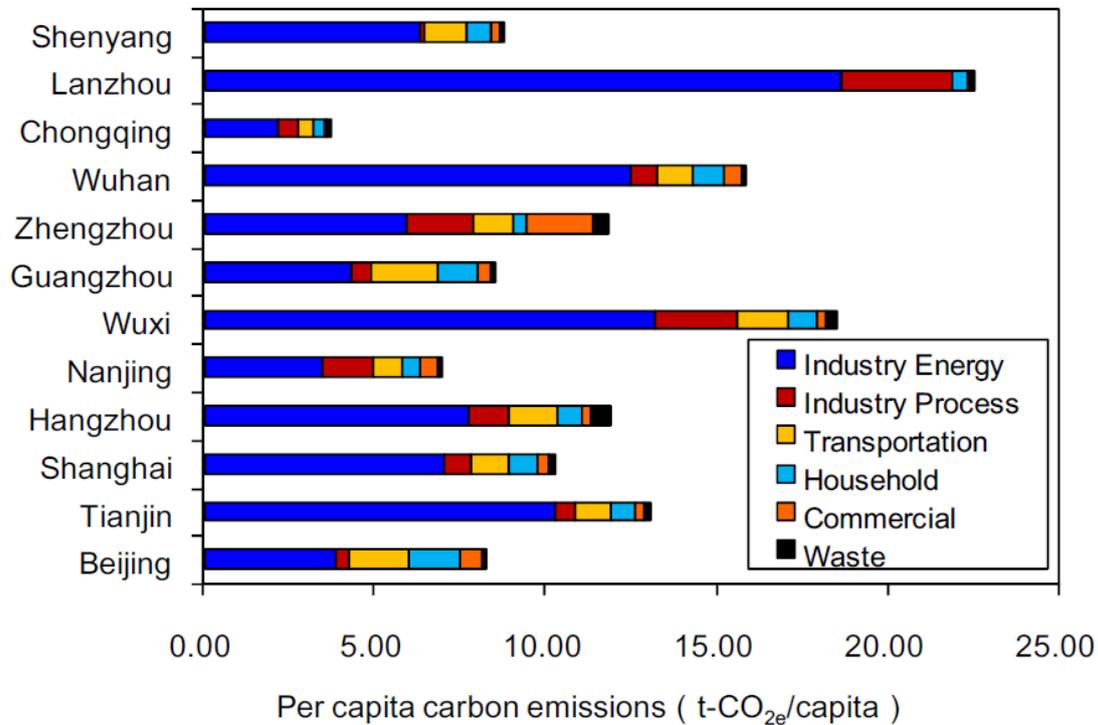


Fig. 3

Extract from *Green Cities, United Nations Environment Programme, 2011* on how cities can work towards becoming more sustainable

The process of making the world's cities and urban fabric greener and maintaining them in a sustainable way will bring considerable employment opportunities. Upgrading to greener infrastructure generates jobs, whether by improving roads and buildings, establishing public transport networks, repairing and enhancing drainage and sewerage systems or creating and managing efficient recycling services. Many of these jobs will require knowledge of new technologies or working practices. For example, in constructing, installing and maintaining local hydrogen fuel-cell power stations or a network of charging points for electric vehicles. Providing training and support is fundamental to the process, within local authorities and for private companies, particularly small enterprises.

Fig. 4

Fig. 5 for Question 4

The World's megacities, 2008

