2016-DSE LS PAPER 1

HONG KONG EXAMINATIONS AND ASSESSMENT AUTHORITY
HONG KONG DIPLOMA OF SECONDARY EDUCATION EXAMINATION 2016

LIBERAL STUDIES PAPER 1

8:30 am - 10:30 am (2 hours)
This paper must be answered in English

- (1) This paper consists of three questions. **Answer ALL questions.**
- (2) The Question-Answer Book is inserted into this Question Paper. Write your answers in the spaces provided in the Question-Answer Book. Answers written in this Question Paper will NOT be marked.
- (3) Do not write in the margins. Answers written in the margins will not be marked.
- (4) After the announcement of the start of the examination, you should first write your Candidate Number in the space provided on Page 1 of the Question-Answer Book and stick barcode labels in the spaces provided on Pages 1, 3 and 5.
- (5) Supplementary answer sheets will be supplied on request. Write your Candidate Number, mark the question number box and stick a barcode label on each sheet, and fasten them with string **INSIDE** the Question-Answer Book.
- (6) No extra time will be given to candidates for sticking on the barcode labels or filling in the question number boxes after the 'Time is up' announcement.
- (7) Candidates are reminded that this subject emphasises the ability to present and support points of view in a clear, concise and logical manner, rather than the ability to recall facts.

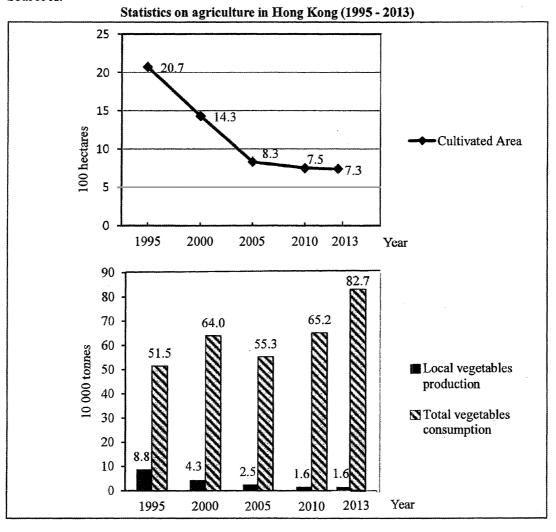
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Data-response Questions

Answer all the questions in this paper.

1. Consider the following sources:





Source B: An extract from a newspaper report dated 2 April 2015

Of the 4 523 hectares of agricultural land in Hong Kong, only 729 hectares are actively farmed. Many farmers have abandoned their land, sold it to developers or taken up better-paid work. Yet with growing awareness of the concepts of land conservation and green living, perhaps mixed with a longing for food from home soil, calls to revive agriculture have emerged.

As a college graduate, Mr Chow would be expected to find a white-collar job. Instead, he opted to take up farming in a remote part of Lantau Island. He earns a salary of only HK\$8 000 a month. His boss admits that recruiting new blood is a big problem.

Source C: Adapted from a research study

Nowadays, many cities in the world are facing problems of the urban heat island effect* and a lack of green space. Some cities are trying to enhance sustainability by improving urban greenery and promoting urban farming, in which all related processes are conducted in the city.

In fact, green roofs can provide 'farmland' for local vegetable and food production. Most green roofs in the world today are created to provide attractive green spaces, to reduce the urban heat island effect, to manage rainwater flows, or to save energy used for cooling.

In Hong Kong, green roofs have attracted much attention in recent years. Since 2012, Hong Kong has completed more than 50 roof-greening projects in government-owned buildings and schools, with another 25 projects underway. Some schools and housing estates have been organising family farming activities on their own urban farms.

- (a) Describe the trends in agriculture in Hong Kong as shown in Source A. (4 marks)
- (b) From Sources A and B, identify and explain *two* factors that might be influencing the current development of agriculture in Hong Kong. (6 marks)
- (c) 'Urban farming will improve the quality of life of people in Hong Kong.' Explain how the sources support this claim. (8 marks)

^{*} The urban heat island effect refers to the phenomenon that temperatures in built-up urban areas are higher than those in the surrounding areas.

2. Consider the following sources:

Source A:

Democracy Index and Global Competitiveness Index* of Hong Kong in 2014

Overall	Index			Selecte	ed categories					
Rank (out of 167)	Score (as % of the maximum	Electoral process	of		of		oral of Political		Civil liberties (e.g. freedom of speech, freedom of assembly)	
	score)				the maximum s	core)				
66	65	48	5	57	56	94				
		e A2: Global	Competi		Index in 2014					
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Overal Rank (out of 140)		Basic requirement institutio infrastruc electricity s	eture,	Su Efficie (e.g. hi an fina		Innovation and sophistication factors (e.g. technological knowledge)				
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^{*} The Global Competitiveness Index ranks the competitiveness of 140 economies, based on over 100 indicators. Competitiveness is the set of institutions, policies, and factors that determine the level of productivity of an economy.

Source B:

Democracy Index and Global Competitiveness Index in 2014

	Democracy Index (Rank out of 167)	Global Competitiveness Index (Rank out of 140)
Switzerland	6	1
United States	19	3
Hong Kong Special Administrative Region	66	7
Singapore	75	2
Ethiopia	124	109
China	144	28

^{**} Institutions provide the legal and administrative framework within which individuals, firms, and governments interact to generate wealth.

Source C: The composition of the Election Committee for the Chief Executive and the Legislative Council in the Hong Kong Special Administrative Region (HKSAR)

The Composition of the Election Committee for the Chief Executive of the HKSAR (2012)				
Sector	No. of members			
Industrial, commercial and financial sectors	300			
The professions				
Labour, social services, religious and other sectors				
Members of the Legislative Council, representatives of members of the District				
Councils, representatives of the Heung Yee Kuk, Hong Kong deputies to the				
National People's Congress, and representatives of Hong Kong members of the				
National Committee of the Chinese People's Political Consultative Conference				

The Composition of the Legislative Council (2012)

	Type of Seats				
Geographical Constituency seats	The seats were elected through direct election by about 3.47 million registered electors.	35			
	The seats were elected by about 240 700 eligible electors from the Functional Constituencies.	30			
Functional Constituency seats	The seats were from the District Councils, with candidates nominated by elected District Councillors and voted by about 3.22 million registered electors who did not get a vote in the Functional Constituency elections.	5			

- (a) Describe Hong Kong's performance in democracy and in global competitiveness as shown in Source A. (4 marks)
- (b) Source B shows the rankings of the Democracy Index and that of the Global Competitiveness Index. Do you think that there are any relationships between the two rankings? Explain your answer using Source B. (4 marks)
- (c) 'A more representative composition of the Election Committee for the Chief Executive and the Legislative Council would enhance the global competitiveness of Hong Kong.' Do you agree with this view? Explain your answer with reference to the sources provided and your own knowledge.

 (8 marks)

3. Consider the following sources:

Source A:

Regional statistics for Human Immunodeficiency Virus (HIV) (2012)

13.0	People livin	g with HIV	Gross Domestic Product	Adult	
Region	15 years old and above (as % of total population) Under 15 years old (as % of total population)		(GDP) per capita (US\$)	Literacy Rate (%)	
Africa (excluding North Africa)	22.1 million (2.60%)	2.9 million (0.34%)	1 306.8	60.4	
South and South-East Asia	3.7 million (0.16%)	0.2 million (0.01%)	5 891.6	78.9	
Western and Central Europe	0.9 million (0.14%)	0.0 million (0.00%)	34 860.5	97.9	

Source B: Some information about Human Immunodeficiency Virus (HIV)

Human Immunodeficiency Virus (HIV) damages the human body's ability to fight diseases and may lead to Acquired Immune Deficiency Syndrome (AIDS). As a result, the body cannot defend itself against infections and cancers. HIV may be transmitted through sexual contact, blood contact and mother to child infection. However, people do not get HIV through air or social contact.

Access to prevention, care, and treatment for people living with HIV or at risk of HIV varies from region to region, and there is not yet a cure for HIV. However, treatment with anti-HIV drugs can control the virus and reduce the risk of transmitting the virus to others. According to the World Health Organization, most newly infected children in 2013 living in Africa (excluding North Africa) were infected by their HIV-positive mothers during pregnancy, childbirth or breastfeeding. Of people living with HIV in the world today, 54.3% do not know that they have the virus.

Currently, the global investment on HIV vaccine research, including industry and research agencies in developed countries, has been estimated at approximately US\$500 million per year. Despite the investment in research, the drugs to control HIV are still expensive, costing US\$115-330 per patient per year.

Source C: Adapted from a cartoon on the Internet



- (a) Describe the pattern of HIV infection as shown in Source A.
- (b) HIV is a global problem. From the sources provided, identify and explain *two* difficulties in tackling this global problem. (7 marks)

END OF PAPER

Sources of materials used in this paper will be acknowledged in the Examination Report and Question Papers published by the Hong Kong Examinations and Assessment Authority at a later stage.

(4 marks)

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Question-Answer Book

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(b)	Source B shows the rankings of the Democracy Index and that of the Global Competitiveness Index Do you think that there are any relationships between the two rankings? Explain your answer using Source B. (4 marks)	ng cs)
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(c)	'A more representative composition of the Election Committee for the Chief Executive and the Legislative Council would enhance the global competitiveness of Hong Kong.' Do you agree with this view? Explain your answer with reference to the sources provided and your own knowledge. (8 marks)
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3. ((a) Describe the pattern of HIV infection as shown in Source A.	(4 mark
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