

INNOVA JUNIOR COLLEGE
JC 2 PRELIMINARY EXAMINATION
in preparation for General Certificate of Education Advanced Level
Higher 1

GEOGRAPHY

8812/01

Paper 1

15 September 2015

3 hours

Additional Materials: Writing Paper
 1 Insert
 World Outline Map

READ THESE INSTRUCTIONS FIRST

Write your name 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 **four** questions from **Section A**.
Answer **one** question from **Section B**.
Answer **one** question from **Section C**.

You are advised not to spend more than one hour 30 minutes on Section A.
The Insert contains all the Figures and Photograph referred to in the questions.
You should make reference to appropriate examples studied in the field or classroom, even where such examples are not specifically requested 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 Section A (DRQs) and Section B and C (essays) separately.**

The number of marks is given in brackets [] at the end of each question or part question.

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

[Turn over



Section A

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

Lithospheric Processes, Hazards and Management

- 1 Fig. 1 shows the processes and types of mass movements that occur on slopes.
- (a) Describe **two** differences between block slide and mud flow. [2]
 - (b) Identify and briefly describe the type of mass movement that has the slowest rate of movement and the lowest water content. [4]
 - (c) Explain clearly any **three** factors that may increase the shear stress of materials on a slope. [6]

The Globalisation of Economic Activity

- 2 Fig. 2 shows Nike's global distribution of workers and sale of shoes.
- (a) With reference to Fig. 2, identify the continent/country with the highest percentage of sales. [1]
 - (b) Describe the global distribution of labour in Fig. 2 and suggest reasons for this distribution. [5]
 - (c) To what extent is a North-South divide evident in Fig. 2? [6]

Hydrologic Processes, Hazards and Management

- 3 **EITHER** Fig. 3 shows flows of surface and subsurface water on a grassy slope.
- (a) Describe the differences between the rates of water flow. [4]
 - (b) Account for the variation in the rates you described in (a). [6]
 - (c) Discuss how you would measure infiltration rates on such a slope. [4]

Urban Issues and Challenges

- 3 OR** Fig. 4 shows the land use for West Bengal, India.
- (a) To what extent can the land use in Fig. 4 be explained by bid-rent theory? [7]
- (b) Explain how new towns may be an effective solution to squatter settlements. [3]
- (c) How would you delimit the CBD through mapping land use? [4]

Lithospheric Processes, Hazards and Management and Hydrologic Processes, Hazards and Management

- 4 EITHER** Photograph A shows a river flowing in an alpine (mountainous) area.
#
- (a) With reference to Photograph A, explain the likely weathering processes and its weathered product. [6]
- (b) (i) Using evidence from Photograph A, describe and suggest reasons for the load in the river. [4]
- (ii) How would this affect the channel morphology of the river? [2]

The Globalisation of Economic Activity and Urban Issues and Challenges

- 4 OR** Fig. 5A shows the population change of Liverpool in United Kingdom from 1700 to 2004. Fig. 5B shows the strategies in which Liverpool has taken to re-image its city.
- (a) Briefly explain the term 'New International Division of Labour' (NIDL) and using Fig. 5A, explain how NIDL has resulted in population decline in Liverpool. [4]
- (b) Explain the difference between the terms 're-urbanisation' and 'gentrification'. [2]
- (c) Using Fig. 5B, discuss how Liverpool's re-imaging strategies might have led to both re-urbanisation and gentrification to occur. [6]

Section B Physical Geography

Answer **one** question from this section.

Lithospheric Processes, Hazards and Management**5 EITHER**

- (a) Describe the characteristics of earthquakes at convergent and transform plate boundaries. [9]
- (b) "Very little can be done to reduce the hazardous effects of an earthquake." To what extent do you agree with this statement? [16]

5 OR

- (a) With the aid of Fig. 6, describe and account for the depth of weathering in the tropical rainforest climate. [9]
- (b) To what extent is climate the principal factor influencing limestone landforms in tropical and temperate areas? [16]

Hydrologic Processes, Hazards and Management**6 EITHER**

- (a) Briefly describe the ways in which a river may transport its load and explain the importance of critical erosion velocity in the transportation of the load within a river channel. [9]
- (b) With reference to examples, discuss the extent to which floods can be predicted and their effects mitigated. [16]

6 OR

- (a) With the aid of a diagram, describe the ways in which water flows and can be stored in a drainage basin. [9]
- (b) With reference to examples, assess the relative roles of economic and environmental factors in issues related to trans-border river basins. [16]

Section C Human Geography

Answer **one** question from this section.

The Globalisation of Economic Activity

7 EITHER

- (a) Outline the impacts of globalisation on the service sector. [9]
- (b) Is the impact of globalisation only global in nature? [16]

7 OR

- (a) Using examples, distinguish between deindustrialisation, industrialisation and reindustrialisation. [9]
- (b) With reference to examples, assess the impact of supranational bodies on a national economy or a regional grouping of countries. [16]

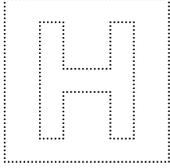
Urban Issues and Challenges

8 EITHER

- (a) With reference to one or more examples, describe how economic and social factors have resulted in different forms of decentralisation of population in DCs. [9]
- (b) To what extent do you agree that the decentralisation of population and economic activities from cities in the developed world has had positive economic, but negative social and environmental consequences? [16]

8 OR

- (a) With the use of examples, distinguish between the terms *primate city*, *world city* and *megacity*. [9]
- (b) To what extent do you agree that primacy simply represents an early stage in a country's urban development? [16]



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This Insert contains all the Figures and Photograph referred to in the questions.

INSERT

This document consists of 8 printed pages.

Fig. 1 for Question 1



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Processes and Types of Mass Movements That Occur on Slopes

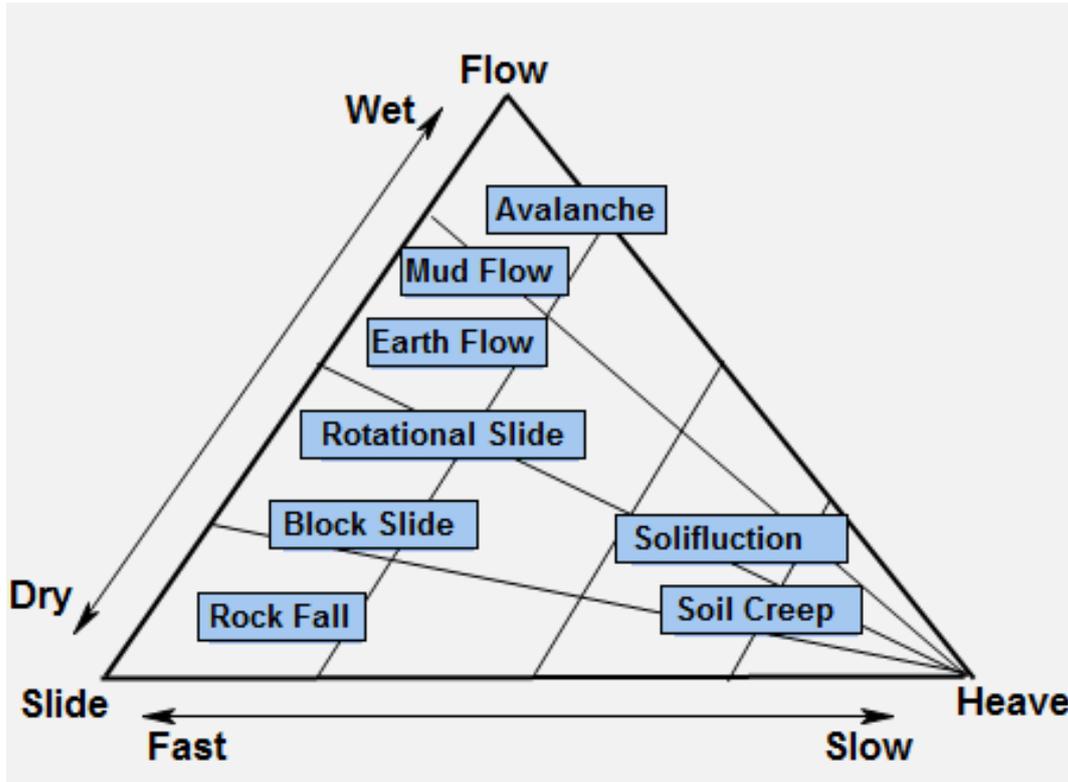
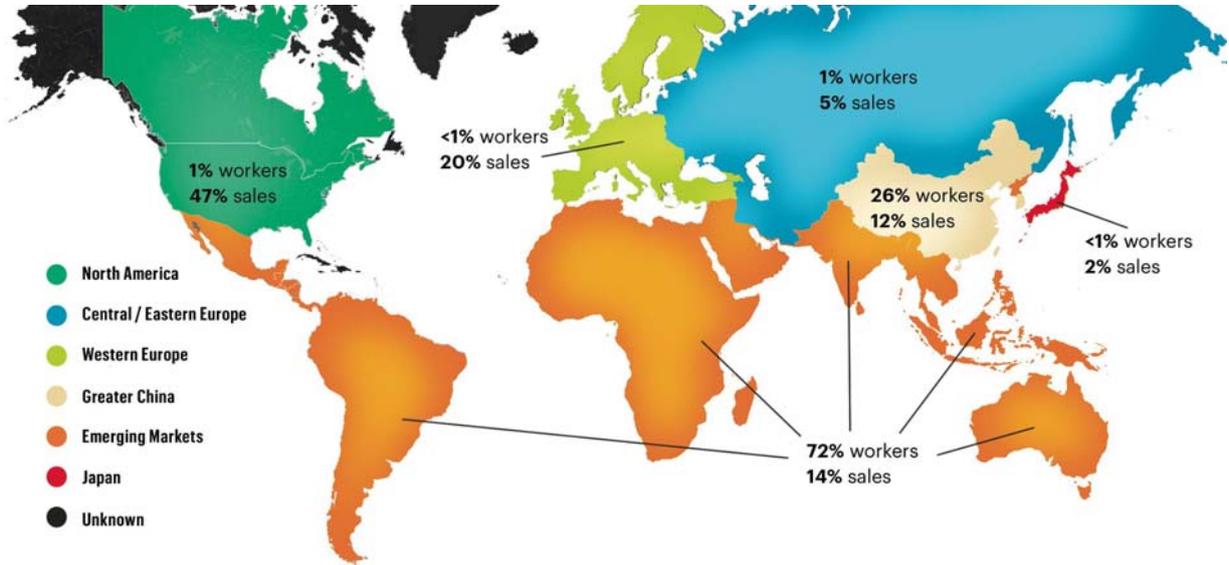


Fig. 2 for Question 2

Global Distribution of Workers and Sale of Shoes for Nike



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Fig. 3 for Question 3 EITHER

Fig.3

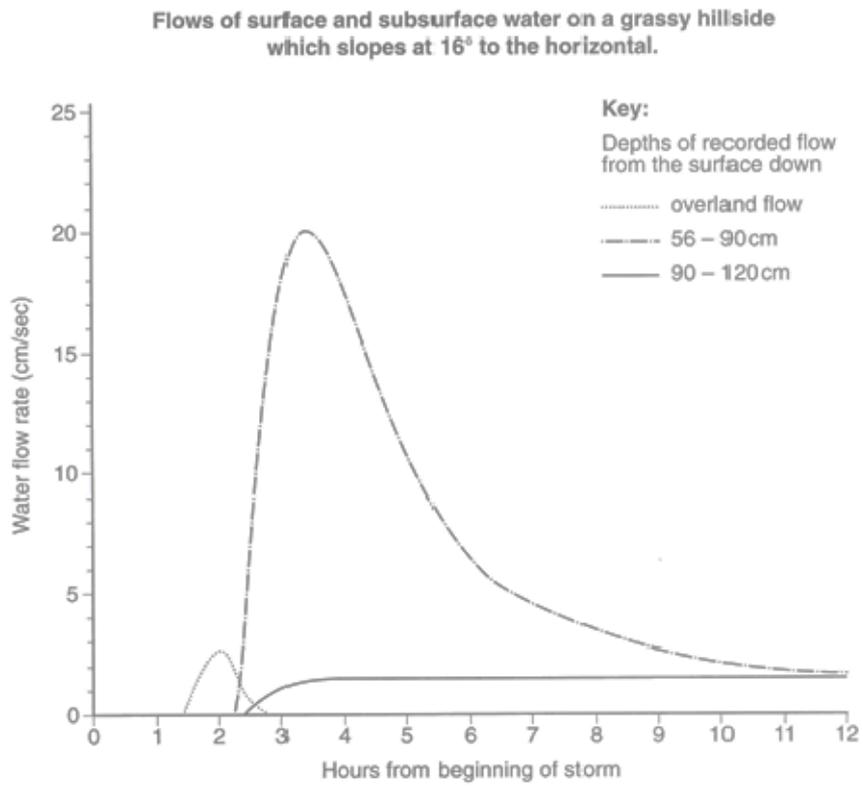
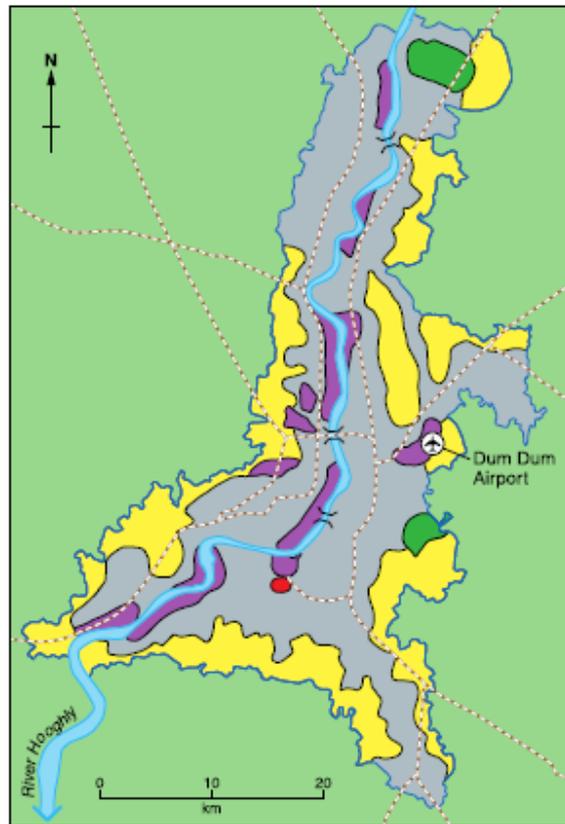


Fig. 4 for Question 3 OR

Land use map for West Bengal, India



Key

Residential	Open space	Railway
Industrial	Other use	Bridge
Commercial	City boundary	Airport
Squatters		

[Turn over#

4

Photograph A for Question 4 EITHER

A river flowing in an alpine (mountainous) area



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Fig. 5A and 5B for Question 4 OR

Fig. 5A
 Liverpool's (United Kingdom) population change from 1700 to 2004

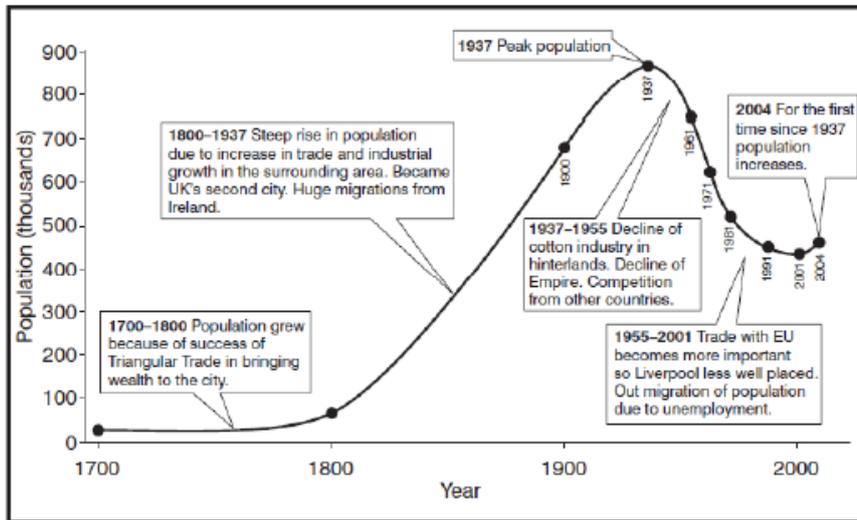
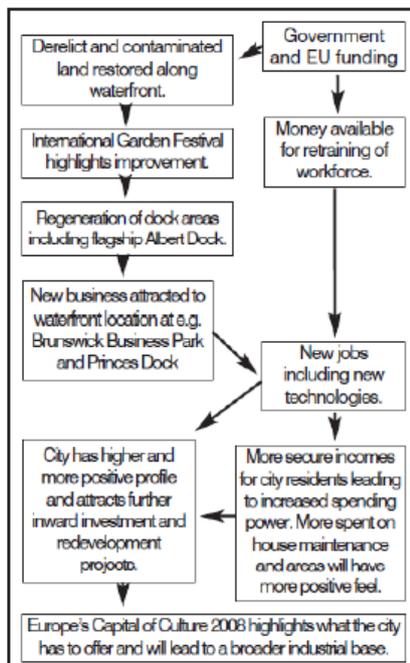


Fig. 5B

Liverpool's strategies to re-image the city



[Turn over#

Fig. 6 for Question 5 OR

Latitudinal variations in the depth of weathering in relation to climatic variables

