

Independent Schools  
Examinations Board

**COMMON ENTRANCE EXAMINATION AT 13+**

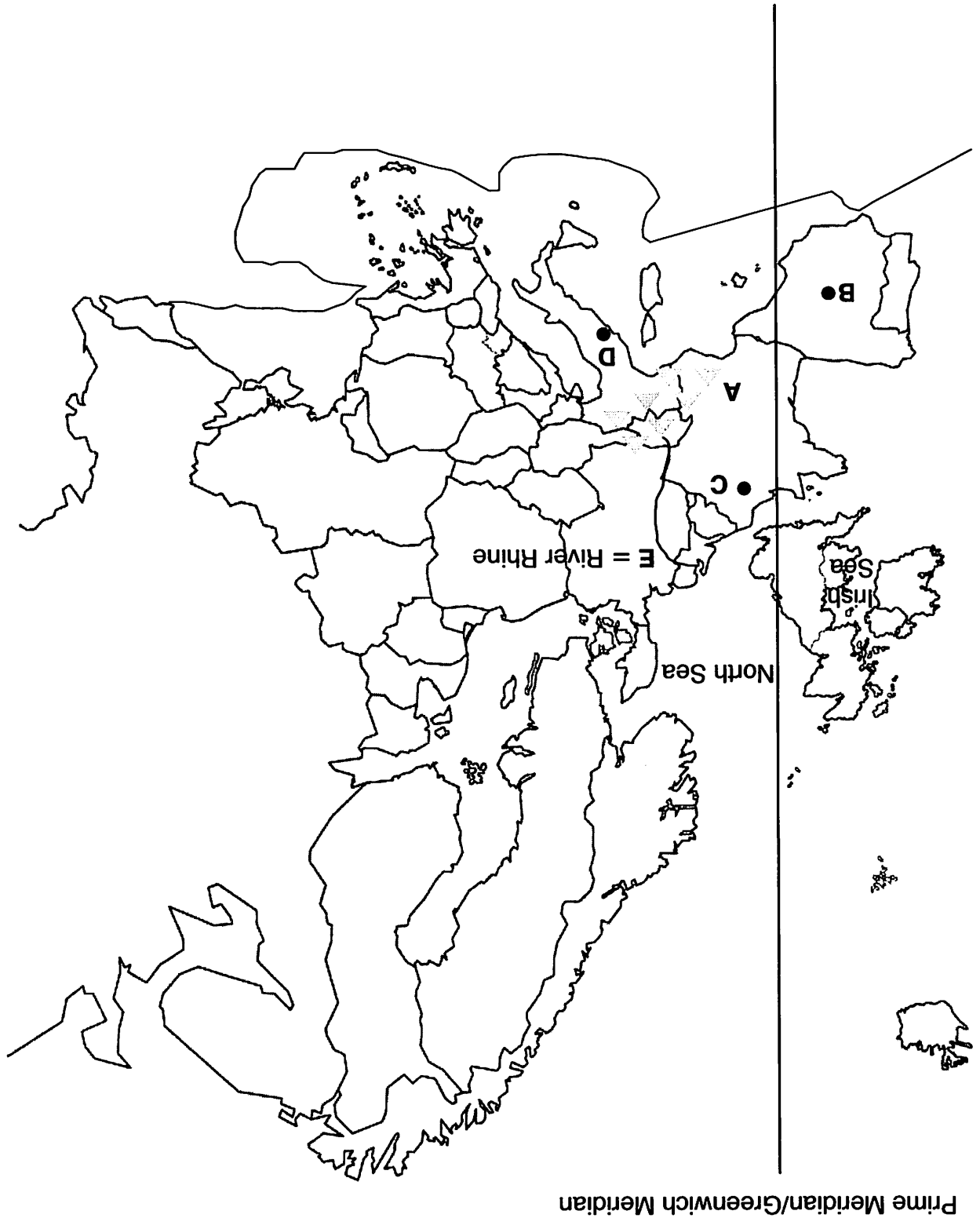
**GEOGRAPHY**

**MARK SCHEME**

*This is a suggested, not a prescriptive, mark scheme.*

**Wednesday 30 January 2013**





Prime Meridian/Greenwich Meridian

### SECTION A: GLOBAL LOCATION

Q.	Answer	Mark	Additional Guidance
1.	Prime/Greenwich Meridian	1	
2.	<i>see map of Europe</i>	2	
3.	Alps	1	
4.	B = Madrid C = Paris D = Rome	3	
5. (a) (b)	Atlantic backwards	2	
6.	Rhine	1	
7.	Germany Italy Spain Switzerland <i>Andorra</i> <i>Belgium</i> <i>Luxembourg</i> <i>Monaco</i>	2	any two including those <i>not in the syllabus</i>

### SECTION B: ORDNANCE SURVEY MAPWORK

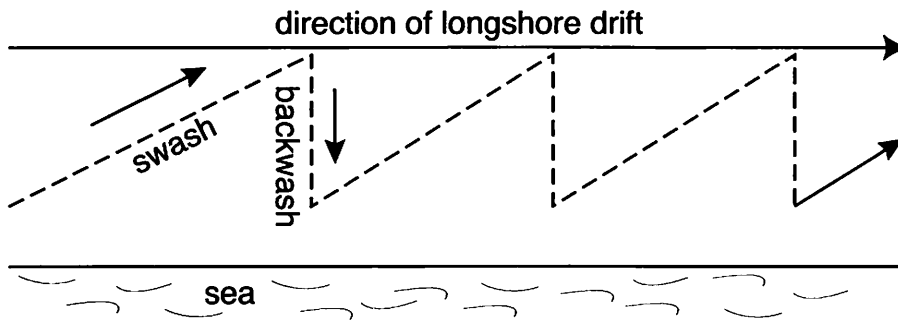
Q.	Answer	Mark	Additional Guidance
1.	Gribbin Head	1	
2. (a)	railway station	1	
(b)	camping and caravan site	1	
3.	north east	1	
4.	73 metres	1	
5. (a)	09 57	1	
(b)	in 09 57 there are lots of contours, close together, indicating a steep slope (opposite in 04 56)	1	

Q.	Answer	Mark	Additional Guidance
6.	3.3 km	2	2 marks for 3.2 – 3.4 1 mark for 3.0 – 3.1 or 3.5 – 3.6
7.	lots of steep hills – hard to build lots of mining/quarrying in the area – land not available for building not much flat land to build on not enough economic activity to support a larger population	2	or any other valid response 1 mark for example 1 mark for explanation
8.	meander flood plain valley	1	any one of these

**SECTION C: THEMATIC STUDIES**

Q.	Answer	Mark	Additional Guidance
<b>1. Rivers and Coasts</b>			
(a)	abrasion/corrasion or corrosion/solution saltation or suspension or longshore drift spit or bar or tombolo	1 1 1	
(b)	the force of the water and air pressure against the cliff/rock face blasting away rock	2	
(c)	<p>weathering processes e.g. biological, chemical</p> <p>erosion by hydraulic action, abrasion/corrasion solution/corrosion</p> <p>over time the cave is eroded further until it breaks through the headland, creating an arch</p> <p>crack/fault in cliff</p> <p>cave</p> <p>arch</p> <p>stack</p> <p>eventually the roof of the arch will be weathered away, creating a stack</p>	4	2 marks for a labelled diagram additional marks for further explanation

Q.	Answer	Mark	Additional Guidance
(d)	<p>sand and pebbles are moved along the coastline by a process called longshore drift</p> <p>in the direction of the prevailing wind</p> <p>swash and backwash force the material up and down the beach</p>	4	



## 2. Earthquakes and Volcanoes

(a)	<p>The diagram shows a cross-section of a subduction zone. On the left, the oceanic crust is shown dipping down into the mantle. This area is labeled 'subduction zone'. On the right, the continental crust is shown. A volcano is depicted on the surface above the subduction zone. Labels include 'ocean', 'oceanic crust', 'mantle', 'subduction zone', 'continental crust', and 'volcano'.</p>	3	$\frac{1}{2}$ mark for each correct label
(b) (i)	molten rock below the surface	1	
(b) (ii)	a cloud of superheated gas and ash erupted from a volcano	1	
(b) (iii)	lava exploded into the air which solidifies as it falls	1	

Q.	Answer	Mark	Additional Guidance
(c) (i)	<i>depends on chosen case study</i> country name	<b>1</b>	1 mark for each valid point
(ii)	<i>depends on chosen case study but could include:</i> loss of life; injuries; damage to/loss of housing; damage and disruption to economic activities; damage to crops	<b>3</b>	
(iii)	<i>depends on chosen case study but could include:</i> emergency service response; shelters provided; local or international aid provided; improvement to warning systems; improved education	<b>2</b>	
<b>3. Weather and Climate</b>			
(a)	weather is the day-to-day condition of the atmosphere  climate is the average weather recorded over a long period of time	<b>2</b>	1 mark for each part of the definition
(b)	shelter  surface  buildings  physical features	<b>2</b>	any two
(c)	<i>location A:</i> cool in the shade of the house  sheltered from the wind  cooled by the grass surface  warmed by the building  <i>location B:</i> cool because it is directly in the wind  warmed by the effect of the tarmac  warmed in the direct sunshine  warmed by the building	<b>4</b>	2 marks for assessing each location

Q.	Answer	Mark	Additional Guidance
(d)	evaporation = process of liquids turning into gases  transpiration = the loss of water from plants and trees  condensation = the process of gases turning into liquids  throughflow = the movement of water under the Earth's surface	2	$\frac{1}{2}$ mark for each correct answer
<b>4. Economic Activities</b>			
(a)	primary = extraction of raw materials, e.g. farming/fishing/forestry/quarrying/mining  secondary = manufacturing of goods, usually in factories, turning raw materials into something	2	1 mark for each definition
(b)	farming/forestry/fishing/quarrying/mining	1	any one
(c)	<i>any sensible idea but could include:</i> doctor/nurse/teacher/accountant/pilot/shop assistant	1	any one
(d) (i)	knowledge-based high tech industry	1	can use company names, e.g. Apple, Tom Tom, Glaxo Smith Kline
(ii)	electronics/computer chips/pharmaceuticals design and manufacture	1	
(e) (i)	80%	1	any sensible answer referring to the data on the table
(ii)	graph A	1	
(iii)	graph A shows high employment in the primary sector; representative of an LEDC, owing to lack of funds for investment, i.e. labour intensive (opposites for graph B)	3	

Q.	Answer	Mark	Additional Guidance
<b>5. Environmental Issues</b>			
(a)	managing resources in a way which meets the needs of today  without compromising the needs of the future	<b>2</b>	
(b)	damage to and potential loss of species  soil is removed, permanently degrading the landscape  looks unsightly  unprotected areas just get worse	<b>2</b>	any two suggestions
(c) (i)	<i>depends on case study but could include:</i> conflict between land uses  management techniques disrupt locals	<b>3</b>	top marks for specific answers from a case study
(ii)	<i>depends on case study but could include:</i> natural material footpaths  fences, gates and stiles  signage and information centres  controlled parking  limited visitor numbers/times	<b>3</b>	
<b>Total</b>		<b>80</b>	