Independent Schools Examinations Board

COMMON ENTRANCE EXAMINATION AT 13+

GEOGRAPHY

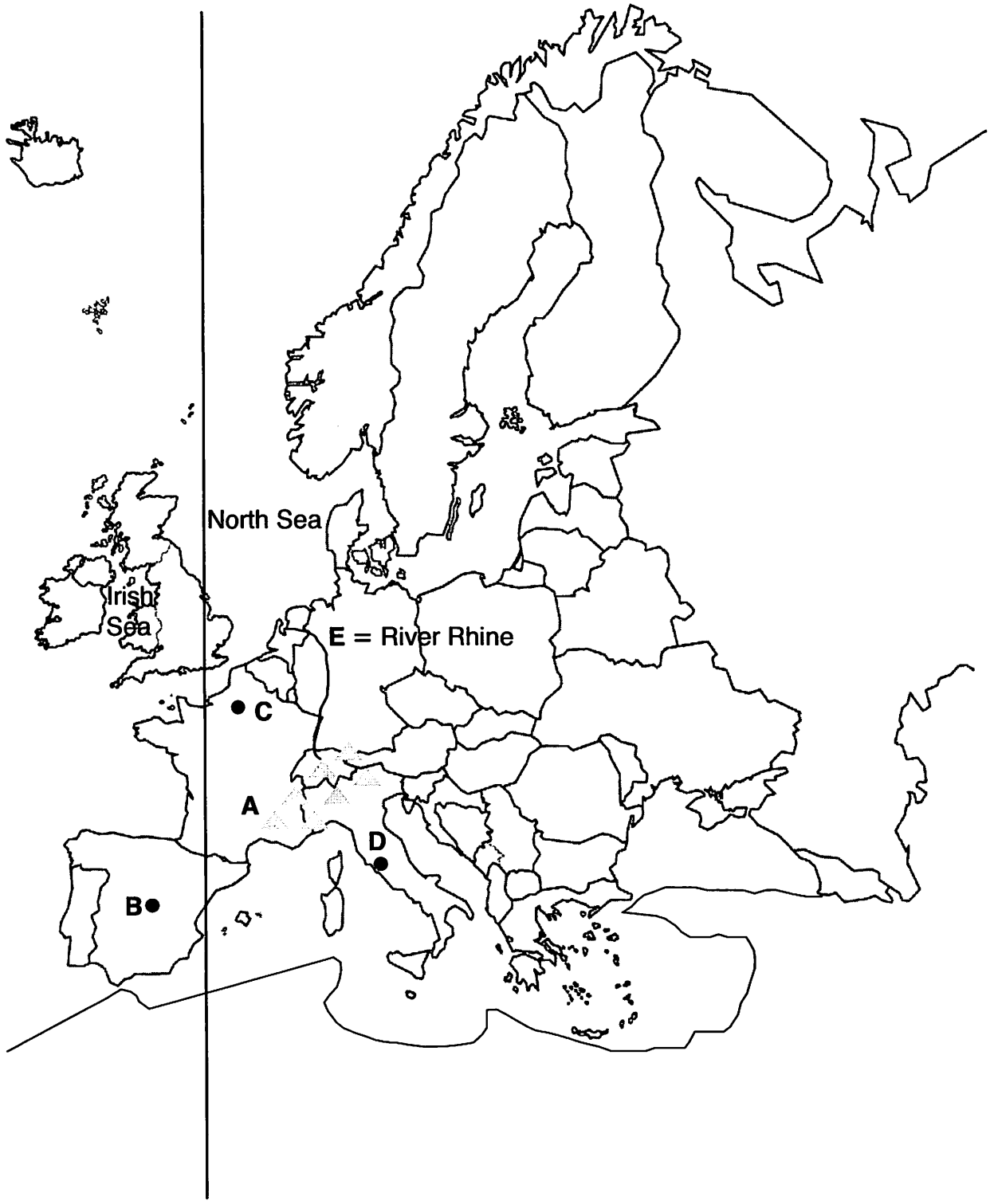
MARK SCHEME

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

Wednesday 30 January 2013

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Prime Meridian/Greenwich Meridian
North Sea
Irish Sea
E = River Rhine
C
A
D
B

SECTION A: GLOBAL LOCATION

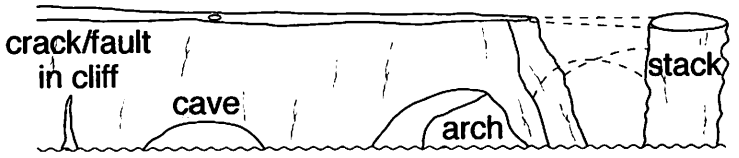
Q.	Answer	Mark	Additional Guidance
1.	Prime/Greenwich Meridian	1	
2.	*see map of Europe*	2	
3.	Alps	1	
4.	B = Madrid C = Paris D = Rome	3	
5. (a) (b)	Atlantic backwards	2	
6.	Rhine	1	
7.	Germany Italy Spain Switzerland *Andorra* *Belgium* *Luxembourg* *Monaco*	2	any two including those *not in the syllabus*

SECTION B: ORDNANCE SURVEY MAPWORK

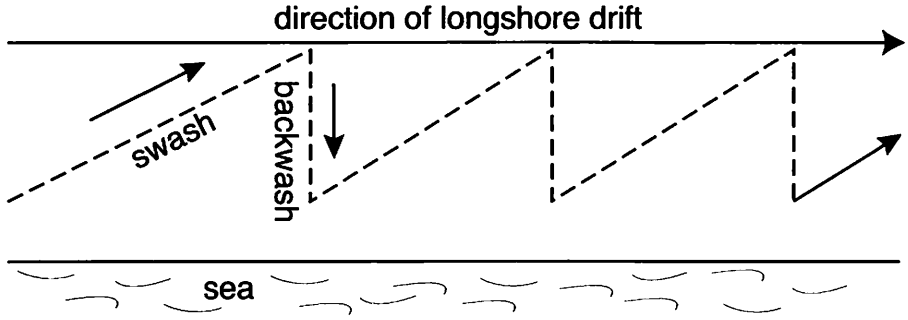
Q.	Answer	Mark	Additional Guidance
1.	Gribbin Head	1	
2. (a)	railway station	1	
(b)	camping and caravan site	1	
3.	north east	1	
4.	73 metres	1	
5. (a)	09 57	1	
(b)	in 09 57 there are lots of contours, close together, indicating a steep slope (opposite in 04 56)	1	

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

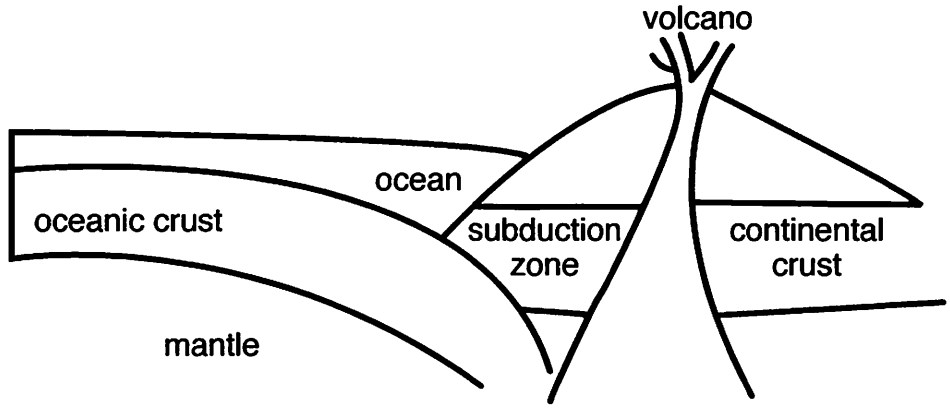
SECTION C: THEMATIC STUDIES

Q.	Answer	Mark	Additional Guidance
1. Rivers and Coasts			
(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)	weathering processes e.g. biological, chemical eventually the roof of the arch will be weathered away, creating a stack  erosion by hydraulic action, abrasion/corrasion solution/ corrosion over time the cave is eroded further until it breaks through the headland, creating an arch TIME →	4	2 marks for a labelled diagram additional marks for further explanation

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



2. Earthquakes and Volcanoes

(a)		3	$\frac{1}{2}$ mark for each correct label
(b) (i)	molten rock below the surface	1	
(ii)	a cloud of superheated gas and ash erupted from a volcano	1	
(iii)	lava exploded into the air which solidifies as it falls	1	

Q.	Answer	Mark	Additional Guidance
(c) (i)	*depends on chosen case study* country name	1	
(ii)	*depends on chosen case study but could include:* loss of life; injuries; damage to/loss of housing; damage and disruption to economic activities; damage to crops	3	1 mark for each valid point
(iii)	*depends on chosen case study but could include:* emergency service response; shelters provided; local or international aid provided; improvement to warning systems; improved education	2	1 mark for each valid point
3. Weather and Climate			
(a)	weather is the day-to-day condition of the atmosphere climate is the average weather recorded over a long period of time	2	1 mark for each part of the definition
(b)	shelter surface buildings physical features	2	any two
(c)	*location A:* cool in the shade of the house sheltered from the wind cooled by the grass surface warmed by the building *location B:* cool because it is directly in the wind warmed by the effect of the tarmac warmed in the direct sunshine warmed by the building	4	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
4. Economic Activities			
(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)	*any sensible idea but could include:* doctor/nurse/teacher/accountant/pilot/shop assistant	**1**	any one
(d) (i) (ii)	knowledge-based high tech industry electronics/computer chips/ pharmaceuticals design and manufacture	**1** **1**	 can use company names, e.g. Apple, Tom Tom, Glaxo Smith Kline
(e) (i) (ii) (iii)	80% graph A 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)	**1** **1** **3**	 any sensible answer referring to the data on the table

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