

Written Test – Marking scheme

Assignment 1 (8 marks)

Subject	Answer	Marks
1a	The January and November 2015 terrorist attacks had a major impact on Paris' rating fall. – 1 mark Because of them, Paris appeared to be an unsafe city to tourists and its popularity decreased. – 1 mark	2
1b	The Brexit vote in June 2016 negatively influenced many aspects of London`s economy. – 1 mark Because London was the most powerful city for many years, the effects were minor comparing to the economic dimension of the city and the capital kept the first place.– 1 mark	2
1c	Any 2 of the following. 2 marks (1 mark each) <ul style="list-style-type: none"> - its proximity to the Alps; - its position on the northwestern tip of Lake Zürich; - the oceanic climate; - clean water; - good quality air (due to the vote to reduce the CO2 per person per annum to one tonne by 2050) etc. 	2
1d	The Research & Development factor relies on academic resource, research background and research achievement, being related to the number of researchers, the world's top 200 universities, academic performance in Mathematics and Science, interaction opportunities between researchers etc. – 1 mark (0.5 marks, at least 2 elements from the mentioned list) The importance of this factor is determined by any 2 of the following elements. 1 mark (0.5 marks each) <ul style="list-style-type: none"> - the fact that it is an indicator of the overall educational system; - the fact that it is an indicator of the quality of the Academia; - the fact that this factor is associated with the employment opportunities in superior economic activities; - the fact that significant funds are directed to research activities; - the fact that Research & Development activities ensure social and economic progress and a betterment of life quality. etc. 	2

Assignment 2 (8 marks)

Subject	Answer	Marks
2a	<p>2 marks (0.5 marks each)</p> <p>1. tree cover 3. cropland 2. grassland 4. urban areas</p>	2
2b	<p>2 marks (0.5 marks each)</p> <p>1. B 3. A 2. D 4. C</p>	2
2c	<p>The tree cover is more extended in the Scandinavian Peninsula partly due to the specific climates (continental climates, oceanic climates), specific soils (forest soils) and vegetation composition (mostly coniferous forests), partly due to human management factors (preservation laws, quality forest management plans, firm regulations regarding deforestation etc.) – 1 mark</p> <p>On the other hand, the tree coverage in the Apennine Peninsula was reduced as a consequence of this area being inhabited by the Romans who were the first to organise their territory at a large scale. Also, the Mediterranean climate and the terra rossa soils hinder the development of the sensitive subtropical forests, while the regulations regarding deforestation are less rigorous.</p> <p>– 1 mark</p>	2
2d	<p>Any 4 of the following. 2 marks (0.5 marks each)</p> <ul style="list-style-type: none"> - the betterment of the deforestation regulations; - the implementation of selective logging; - the reduction of wood products demand; - the betterment of paper recycling; - the creation of new nature reserves that conserve forests; - the implementation of educational programmes that aim to increase the awareness regarding forest management problems and deforestation. <p>etc.</p>	2

Assignment 3 (8 marks)

Subject	Answer	Marks												
3a	<p>2 marks (0.4 marks each)</p> <p>Any of the following thermal vertical gradients may be used: 0.6 °C/100 m, 0.64°C /100, 0.65 °C /100, 6.4 °C /1000 m</p> <table border="1"> <thead> <tr> <th>Point</th> <th>Elevation (m)</th> <th>Temperature on the 21st of March (°C)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>600</td> <td>14.4</td> </tr> <tr> <td>B</td> <td>1000</td> <td>12</td> </tr> <tr> <td>C</td> <td>1600</td> <td>8.4</td> </tr> </tbody> </table>	Point	Elevation (m)	Temperature on the 21st of March (°C)	A	600	14.4	B	1000	12	C	1600	8.4	2
Point	Elevation (m)	Temperature on the 21st of March (°C)												
A	600	14.4												
B	1000	12												
C	1600	8.4												
3b	d) the Mediterranean climate	1												
3c	<p>The average monthly temperatures increase from January until July and then they start to decrease. – 1 mark</p> <p>This evolution is determined by the fluctuation of the solar radiation, which has higher values during the summer of the Northern Hemisphere. – 1 mark</p>	2												
3d	24.4 °C – 6.1 °C = 18.3 °C	1												
3e	<p>The average monthly rainfall amount is higher during winter time because of the western winds (westerlies) that bring humid air from above the Atlantic Ocean. – 1 mark</p> <p>The mean average rainfall amount is lower during summer time because of the trade winds that bring dry air from the South-East. – 1 mark</p>	2												

Assignment 4 (8 marks)

Subject	Answer	Marks
4a	2 marks (1 mark each) Young population: 21% Old population: 1.2%	2
4b	Adult male population: 59.5%	1
4c	The high proportion of male adults in Qatar is determined by the fact that most of the immigrants that work in the oil industry are male adults.	2
4d	Any 2 of the following. 2 marks (1 mark each) <ul style="list-style-type: none"> - a high male-female ratio; - low birth rates; - segregated families; - the formation of a culture dominated by men; - discrepancies regarding the rights of men and women. etc. 	2
4e	The dominance of the male population at old ages in Qatar is explained by the fact that men have a higher life expectancy than women, due to the cultural background.	1

Assignment 5 (8 marks)

Subject	Answer	Marks
5a	d) the Indus River	1
5b	Any 2 of the following. 2 marks (1 mark each) <ul style="list-style-type: none"> - low input of silts because of the construction of dams along the course of the river/construction of reservoirs that trap the silts; - large scale altering of the catchment area in order to extend settlements. 	2
5c	1.5 marks (0.5 marks each) A – 2 B – 1 C – 3	1.5
5d	1.5 marks (0.5 marks each) a – 2 b – 3 c – 1	1.5
5e	Any 2 of the following. 1 mark (0.5 marks each) <ul style="list-style-type: none"> - pollution resulted from agriculture activities; - pollution resulted from industrial activities; - urban pollution; - deforestation. etc. 	1
5f	Any 2 of the following 1 mark (0.5 marks each) <ul style="list-style-type: none"> - the betterment of water management; - the implementation of clearing stations; - the betterment of sewage systems; - the increase of the use of the non-pollutant agriculture techniques and products; - the increase of the use of non-pollutant technologies; - the implementation of educational programmes that aim to increase the awareness regarding water protection. etc. 	1