

**ÉRETTSÉGI VIZSGA • 2006. május 16.**

**FÖLDRAJZ  
ANGOL NYELVEN  
GEOGRAPHY**

**EMELT SZINTŰ  
ÍRÁSBELI VIZSGA  
ADVANCED LEVEL  
WRITTEN EXAM**

**JAVÍTÁSI-ÉRTÉKELÉSI  
ÚTMUTATÓ  
KEY AND GUIDE FOR  
EVALUATION**

**OKTATÁSI MINISZTERIUM  
MINISTRY OF EDUCATION**

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**ASSIGNMENT NO. 1**

- a) From West to East 1 point
- b) 360 1 point
- c) 60 minutes, altogether 24 hours during his journey. 1+1 point  
 Mistake: He did not take into consideration the crossing of time zones/He did not set his watch on the boundaries of time zones. 1 point  
*Note: Answers with the same content but with different phrasing are also acceptable.*
- d) International date line/Sunday-Monday line 1 point
- e) At the meridian of 180°. 1 point
- f) Day: Monday, hour: 9 P.M. 1+1 point

**Number of points attainable: 9 points**

**ASSIGNMENT NO. 2**

- a) In ancient times it was situated on the coast (at the bay), today it is away from the coast. 1+1 point
- b) Circled: B 1 point
- c) Because its harbour was filled up, became unsuitable for landing of ships. 1 point
- d) The deposition of bedload by the river. 1 point  
 Deforestation 1 point
- e) Turkey 1 point  
 Mediterranean Sea/ Aegean Sea 1 point
- f) Method of calculation: a 1 degree difference in latitude corresponds to 111 kms,  $\frac{1}{4}$  is the quarter of it: 1 point  
 The distance is 27.75 kms, 27.77 kms/28.25 kms 1 point  
*Note: The use of values 111.1 and 113 kms in the calculations are also acceptable.*

- g) 2157 m – 1433 m = 724 m 1 point  
 Relative height 1 point  
2 points

*Number of points attainable: 12 points*

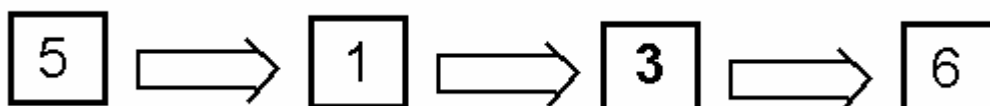
### ASSIGNMENT NO. 3

- a) Volcano with caldera 1 point  
 1. By the collapse of the magma chamber. 1 point  
 2. By another explosive eruption. 1 point  
3 points
- b) 1. Hot spot volcanism 1 point  
 2. Basalt 1 point  
 3. Hawaii Islands 1 point  
 4. Circled: 2 1 point  
4 points
- c) Pillow lava 1 point  
1 point
- d)
1. 1 point  
 A. Epicentre 1 point  
 B: Hypocentre/Focus 1 point
2. Seizmograph 1 point
3. Richter scale: Energy released by the earthquake 1 point  
 Mercalli scale: The effects of the quake/the extent of destruction 1 point
4. Aftershocks 1 point  
6 points

*Number of points attainable: 14 points*

### ASSIGNMENT NO. 4

- a)
1. Mesozoic 1 point  
 2. Triassic 1 point  
 3. Carbon 1 point  
 4. Pleistocene/Ice Age 1 point  
 5. Miocene 1 point
- b) 5 points  
 First logical sequences



## Second logical sequences



Each correctly placed number is awarded by 1 point.

7 points

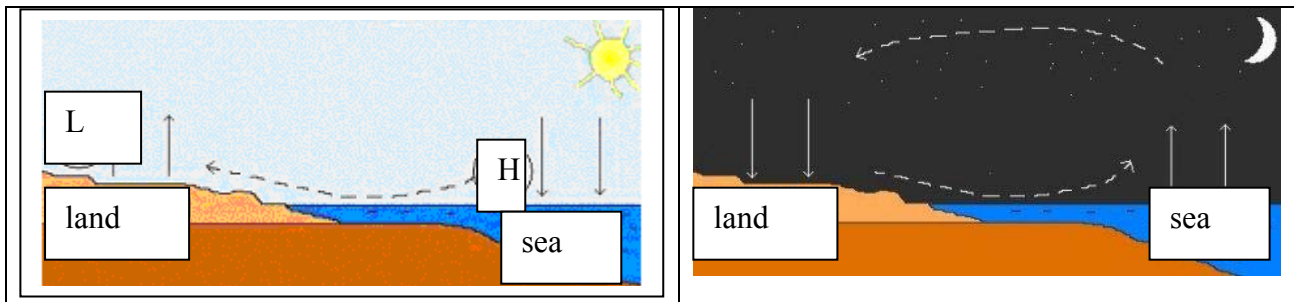
**Number of points attainable: 12 points**

**ASSIGNMENT NO. 5**

a)

1. Thermal inversion 1 point
2. Decreases 1 point
3. Air pressure decreases with elevation./Inverse relationship. 1 point
4. Isobar 1 point

4 points



b)

1. The correct placement of letter **H** and **L** in the figure. 1+1 point
2. The correct drawing of the direction of air flows. 1 point
3. onshore breeze/sea breeze 1 point
- The different warming up/specific heat of land and sea. 1 point
4. Monsoon wind 1 point

6 points

**Number of points attainable: 10 points**

**ASSIGNMENT NO. 6**

- a) The method of calculation: the difference between  $-42.7\text{ }^{\circ}\text{C}$  and  $19.5\text{ }^{\circ}\text{C}$ . 1 point
- The method of calculation: The sum of the average monthly temperatures of twelve months: 12 1 point
- The annual range of temperature in Jakutsk:  $62.2\text{ }^{\circ}\text{C}$  1 point
- The annual average temperature in Singapore:  $27.1\text{ }^{\circ}\text{C}$  1 point

4 points

b)

1. The rotation of the Earth/the daily change in the angle of incidence. 1 point
2. Circled: A 1 point
- Because first solar radiation warms up the surface, which subsequently warms up the air./The time lag due to indirect warming of the air. 1 point

3 points

- c) Method of calculation: The ratio of the actual and the possible maximum humidity of the air is calculated in the same way in both settlements.

Settlement A: 50% ( $15 \text{ g/m}^3 : 30 \text{ g/m}^3 \times 100$ ) 1 point

Settlement B: 88.88% ( $8 \text{ g/m}^3 : 9 \text{ g/m}^3 \times 100$ ) 1 point

The settlement with higher relative humidity: Settlement B 1 point

3 points

d)

1. The temperature of the dewpoint: 20 °C 1 point

Method of calculation: 1 °C decrease in temperature per 100 m → 1000 m is required for a 10 °C decrease in temperature. 1 point

The altitude of dewpoint: 1300m 1 point

2. Method of calculation: 0.5 °C decrease in temperature per 100 m → the temperature decreases by 10 °C in a further 2000 m increase in elevation. 1 point

The temperature at 3300 m: 10 °C 1 point

3. The amount of condensed water:  $8 \text{ g/m}^3 (17 \text{ g/m}^3 - 9 \text{ g/m}^3)$  1 point

6 points

**Number of points attainable: 16 points**

### ASSIGNMENT NO. 7

a)

1. E
2. D
3. A
4. D
5. C

*Each correct answer is to be awarded by 1 point.*

5 points

b)

1. <
2. >
3. >
4. <

*Each correct answer is to be awarded by 1 point.*

4 points

c)

1. C
2. D
3. B
4. B
5. C
6. A

*Each correct answer is to be awarded by 1 point.*

6 points

**Number of points attainable: 15 points**

**ASSIGNMENT NO. 8**

- a) The number of people employed in the primary sector /agriculture and mining 1 point  
 b) The number of people employed in the secondary sector /manufacturing 1 point  
 c) The number of people employed in the tertiary sector /services. 1 point  
 d) The restructuring of the employment composition. 1 point  
 e) primary sector: decreased 1 point  
     tertiary sector: increased 1 point  
 f) To Japan. 1 point  
 g) Any branch of electronics/information technology is acceptable. 1 point  
 h) South Korea/Korean Republic, Singapore. *The order does not matter.* 1+1 point

***Number of points attainable: 10 points***

**ASSIGNMENT NO. 9**

- a) Circled:  
 1. no 1 point  
 2. yes 1 point  
 Calculation:  
     In the case of 2100: It is divisible by 4 but not by 400. 1 point  
     In the case of 2400: It is divisible by both 4 and 400. 1 point  
 Circled: Pope Gregory the 13th. 1 point

5 points

- b) 1. T 1 point  
     2. F 1 point

2 points

***Number of points attainable: 7 points***

**ASSIGNMENT NO. 10**

- a)  
 I. The North Sea  
 II. Arctic Ocean/Barents Sea  
 III. Baltic Sea  
 IV. Sweden  
 V. Russia  
 VI. Norway  
 VII. Finland  
 a. The River Elbe  
 b. The River Odera  
 c. The River Vistula

1. Oslo
2. Murmansk
3. St. Petersburg
4. Gdansk
5. Warsaw
6. Szczecin
7. Rostock
8. Hamburg
9. Tallinn
10. Riga

*Each correct identification of geographical places is to be awarded by 1 point.*

20 points

- b)** Oslo: A 1 point  
 Murmansk: C 1 point  
 Hamburg: B 1 point

3 points

- c)** Norway 1 point

1 point

- d)** Iron ore 1 point

1 point

**Number of points attainable: 25 points**

### ASSIGNMENT NO. 11

1. B
2. A
3. A
4. A
5. B
6. A
7. B

*Each correct answer is to be awarded by 1 point.*

7 points

**Number of points attainable: 7 points**

### ASSIGNMENT NO. 12

- a)** New York, Tokyo 1+1 point

2 points

- b)** Underlined: stock exchange. 1 point

1 point

- c)** Budapest (Stock Exchange)  
Prague (Stock Exchange) 1+1 point

2 points

- d) Frankfurt (Stock Exchange) 1 point  
1 point
- e) Circled: 1. 1 point  
1 point
- f) Circled: 2. 1 point  
1 point

***Number of points attainable: 8 points***

### ASSIGNMENT NO. 13

- a)
- |                                |          |
|--------------------------------|----------|
| 1. podzol/grey earth           | 1 point  |
| 2. chernozem/black earth       | 1 point  |
| 3. brown earth                 | 1 point  |
| 4. tropical latosols/red earth | 1 point  |
| soil horizons:                 | 1 point  |
| I. B                           | 1 point  |
| II. C                          | 1 point  |
| III. A                         | 1 point  |
|                                | 8 points |
- b) underlined: chernozem, brown earth, tundra soil. 1+1+1  
3 points
- c)
- |   |         |
|---|---------|
| 1. water/precipitation water  | 1 point |
| 2. Ploughing at right angle to the inclination of slope             | 1 point |
| 3. The wind.  | 1 point |
| 4. Introduction of vegetation to the area/planting of forest belts. | 1 point |

*Regarding the protective measures, other correct answers are also acceptable.*

4 points

***Number of points attainable: 15 points***

### ASSIGNMENT NO. 14

- |  |          |
|--|----------|
| 1. South America.                          | 1 point  |
| In the Amazon Basin/Amazonia.              | 1 point  |
|  | 2 points |
| 2. Africa                                  | 1 point  |
|  | 1 point  |
| 3. The annual range of temperature is low. | 1 point  |
|  | 1 point  |

4. Precipitation: In the area of tropical rainforests the ascending limb of the trade wind system (Hadley cell) is dominating. The intense uplifting of the air creates ideal conditions for condensation (precipitation formation). 1+1 point  
 Temperature: The angle of incidence is high throughout the year. 1 point  
3 points
5. High/great 1 point  
1 point
6. The method of calculation:  $200000 \text{ km}^2 \times 20 \text{ years} = 4\,000\,000 \text{ km}^2$  1 point  
 The area of rainforests is  $4\,000\,000 \text{ km}^2$ . 1 point  
2 points
7. For timber (furniture production, shipbuilding)/for free arable land/due to mining/due to the construction of roads/due to the expansion of settlements. 1+1+1 point  
*Note: Any three of the correct answers are awarded by points. Other correct reasons are also acceptable.*  
3 points
8. Soil erosion. 1 point  
1 point
9. Due to the permanently high temperature the decomposition of organic matter is rapid, the constantly plentiful precipitation leaches nutrients out from the soil. 1+1 point  
2 points
10. The hardly soluble therefore accumulating iron (aluminium) compounds/oxides. 1+1 point  
2 points

**Number of points attainable: 18 points**

### ASSIGNMENT NO. 15

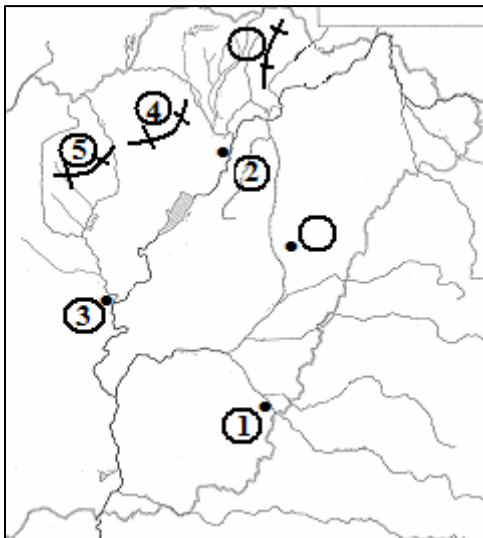
- a) North Hungary 1 point  
 Nógrád county, Heves county, Borsod-Abaúj-Zemplén county. 1+1+1 point  
*Note: Only if the full county name is mentioned can the point be awarded.*  
 Miskolc 1 point  
5 points
- b) Central Hungary 1 point  
 Budapest 1 point  
 $2.93 : 1.16 = 2.5$  times more 1 point  
3 points

- c) Employment rate: approximately 55% 1 point  
*Note: Values between 50% and 60% are acceptable.*  
 Unemployment: approximately 5% 1 point  
 It is one of the developed regions/The second most developed region/Region with good figures/Lower unemployment rate and higher employment rate than in other regions/It has figures similar to that of Central Hungary. 1 point  
*Mentioning any of the above answers is awarded by 1 point.*

3 points

- d) Inversely proportional/The high GDP/capita entails low unemployment rate. 1 point

1 point

**Number of points attainable: 12 points****ASSIGNMENT NO. 16**

- a)
1. Gyula
  2. Tiszaújváros
  3. Szolnok
  4. Bükk
  5. Mátra
- Each correct answer is awarded by 1 point.*

5 points

- b) *Each correct placement is to be awarded by 1 point.*

5 points

**Number of points attainable: 10 points****Total points of the examination paper: 200 points**