FÖLDRAJZ
ANGOL NYELVEN
KÖZÉPSZINTŰ
ÍRÁSBELI VIZSGA
2009. május 14. 14:00

I.

Időtartam: 20 perc

<table>
<thead>
<tr>
<th>Pótlapok száma</th>
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<tbody>
<tr>
<td>Tisztázati</td>
</tr>
<tr>
<td>Piszkozati</td>
</tr>
</tbody>
</table>
Important Information

The written examination consists of two papers (Paper I and Paper II).

The available time for Paper I is 20 minutes. The use of the Geography Atlas for Secondary Schools or any other help is not allowed in this part. After the time is up, hand the completed Paper I over to the supervising teacher.

You can answer the questions in any order.

First, read the questions carefully, think over your answer then write your answer in ink (with a pen) in the appropriate place. You can correct your answer if necessary, but in the cases of equivocal or unclear corrections, cancellations or corrections made with a pencil, no points can be awarded for your answer.

The total number of points and the subtotals that can be awarded for tasks are shown beside/below the tasks. Please leave the grey squares blank.
Paper I

The use of atlas for this paper is not allowed.

1. Solve the problems after examining the outline map below.

a) Name the topographic places labelled by numbers.
   1. Strait of .................................................................
   2. ............................................................................. Sea
   3. ............................................................................. (country)
   4. ............................................................................. (country)
   5. ............................................................................. (country)

   5 points

b) Name the canal that allows passage from the sea labelled No. 2 to the Mediterranean Sea.
   ....................................................................................................

   1 point

c) Name the common religion of the population of countries labelled by numbers.
   ....................................................................................................

   7 points
2. Solve the problems after examining the outline map below.

![Map Image]

a) Name the topographic places labelled by numbers.
   1. ................................................................. (river)
   2. ................................................................. (river)
   3. ................................................................. (river)
   4. ................................................................. (river)
   5. ................................................................. (island)
   6. ................................................................. (island)
   7. ................................................................. Sea

    7 points

b) Which two peninsulas enclose the sea labelled No. 7?

   It is enclosed by the .................................... and the .................................... Peninsulas.

    2 points

    9 points
3. Hikers went on trips in the mountains marked in the outline map. Solve the problems after examining the outline map.

a) Which mountains do the numbers below label? Write the names of the mountains after the relevant numbers.

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

7 points

b) What is the typical rock type of the mountains labelled by the numbers below?

1. .................................................................
3. .................................................................

2 points

9 points

Total points in Paper I: 25 points
Földrajz angol nyelven — középszint

Név: .......................................................... osztály: .....
<table>
<thead>
<tr>
<th>No. of task</th>
<th>Total points</th>
<th>Student’s points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

I. Tasks assessing topographic knowledge and skills.
TOTAL 25

Examiner

Date: ..............................................

Registrar of the Board of Examiners
Date/Dátum: ........................................ Date/Dátum: ........................................

Notes:
1. If the candidate has started completing Paper 2, this table and place of signature should be left blank.
2. If the completion of Paper 1 is interrupted or not followed by the completion of Paper 2, then this table and place of signature is to be filled in.

Megjegyzések:
1. Ha a vizsgázó a II. írásbeli összetevő megoldását elkezdte, akkor ez a táblázat és az aláírási rész üresen marad!
2. Ha a vizsga az I. összetevő teljesítése közben megszakad, illetve nem folytatódik a II. összetevővel, akkor ez a táblázat és az aláírási rész kitöltendő!
FÖLDRAJZ
ANGOL NYELVEN
KÖZÉPSZINTŰ
ÍRÁSBELI VIZSGA
2009. május 14. 14:00

II.
Időtartam: 100 perc

Pótlapok száma
Tisztázati
Piszkozati

OKTATÁSI ÉS KULTURÁLIS MINISZTÉRIUM
Important Information

The written examination consists of two papers (Paper I and Paper II).

The time allowed for Paper II is **100 minutes**. The use of the *Geography Atlas for Secondary Schools* is allowed. A **calculator can be used** if necessary, but the steps of problem solving should also be presented. You can use compasses and rulers if necessary.

You can answer the questions **in any order**.

First, **read the questions carefully, think over your answer** then write your answer **in ink (with a pen)** in the appropriate place. You can correct your answer if necessary, but no points can be awarded for your answer in the cases of equivocal or unclear corrections, cancellations or corrections made with a pencil.

Give the most adequate answers to the questions. More answers than required (e.g. naming three examples instead of the required two) are not awarded by extra points.

The **total number of points** and the subtotals that can be awarded for assignments are shown beside/below the assignments. **Please leave the grey squares blank.**
1. A family plans a week-end trip. They want to get from Hegyesfalu to Völgyvár. Solve the problem on the planning of the trip.
   a) The distance of the settlements is 15 centimetres on the road map with a scale of 1 : 250 000. What is their real distance? Present your result rounded up to the first decimal place. 
   Do your calculations here:

   The real distance of the two settlements is: .........................km. [2 points]

   b) The map shows a larger lake near Völgyvár. There are two pieces of data shown on the lake: one is written in black and underlined, the other in blue colour in bold letters. What do they indicate?

   Underlined black number: .................................................................
   Bold blue number: ..............................................................................

   [2 points][4 points]

2. Put the most typical relief form of the given topographic places next to them, using the word list below. You cannot match every term, however, one topographic place has only one matching relief form.

   butte, plain, plateau, high mountains, mountain, hills, medium-height mountain, basin, below-sea-level depression.

   Örség = .................................................. The Andes = ...........................................
   Mesopotamia = ........................................ The Tibet = ...............................................
   The Pennines = ...................................... Fuji = .........................................................

   [6 points]
3. Which celestial body(ies) do the following statements refer to? Put the number of the statement in the relevant square.

1. It has its own light.
2. Its distance from Earth is 1 AU (astronomical unit).
3. There are craters on its surface, among others.
4. The time of rotation around its axis is equal to the time of its revolution.
5. Its characteristic motions are rotation around its axis and revolution.
6. It is a planet.

4. Put the letters indicating ocean currents in the correct place in the Venn diagram (set diagram).

A) Oyashio Current
B) North Atlantic Drift
C) Kuroshio Current
D) Humbolt (Peru) Current
E) Gulf Stream
F) Labrador Current
5. The table refers to the features of the tropical region of the Andes. Solve the problems using the information presented in the table.

<table>
<thead>
<tr>
<th>Vertical belts</th>
<th>The upper boundary of the given belt (in metres)</th>
<th>Annual mean temperature (°C)</th>
<th>Other climatic features</th>
<th>Natural vegetation/typical agricultural crops</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>≤ 0</td>
<td>Permanent snow cover.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>4800</td>
<td>0–6</td>
<td>Its upper boundary is the snow line.</td>
<td>Barren mountain region with dwarf trees and shrubs.</td>
</tr>
<tr>
<td>C</td>
<td>3800</td>
<td>6–16</td>
<td>Sub-zero temperatures become regular here.</td>
<td>Its upper boundary is the upper boundary of closed canopy forests, too; wheat.</td>
</tr>
<tr>
<td>B</td>
<td>2400</td>
<td>16–22</td>
<td>In the tropical region of the mountain precipitation is the most abundant here (over 2000 mm/year).</td>
<td>Coffee.</td>
</tr>
<tr>
<td>A</td>
<td>1000</td>
<td>22–28</td>
<td>Annual precipitation is at least 1500 mm/year.</td>
<td>Tropical rainforest.</td>
</tr>
</tbody>
</table>

Decide whether the following statements are true or false. Put letter \( T \) before the number of the true and letter \( F \) before the number of the false statements.

..... 1. Precipitation values change proportionately to elevation in the mountain.
..... 2. Natural vegetation at 900 metres is similar to that of coastal plains at the given latitude.
..... 3. In vertical belt C physical geographic conditions are similar to that of the continental area of the true temperate belt.
..... 4. Annual mean temperature decreases from vertical belt E to vertical belt A.
..... 5. Vertical belt D corresponds to the tundra.
..... 6. In the Andes cities are common at the elevation of 2-3000 metres as climatic conditions here are favourable for human settlement.
..... 7. The features of vertical belt B are the same as that of the warm temperate belt.

7 points
6. Solve the problem on the substances of the atmosphere.

a) The chart shows the share of the various gases of the atmosphere by volume. Determine which gases are labelled by the numbers. Circle the letter of the list (group) that shows the correct shares of the gases.

A) 1-oxygen, 2-nitrogen, 3-argon, 4-carbon dioxide  
B) 1- nitrogen, 2-oxygen, 3-argon, 4-carbon dioxide  
C) 1-oxygen, 2-nitrogen, 3-carbon dioxide, 4-argon  
D) 1- nitrogen, 2- oxygen, 3- carbon dioxide, 4-argon

b) Categorize the gases listed in point a) based on the permanence of their amount. Put the names of the gases in the appropriate places. A point can awarded only if all gases are placed in the correct category.

Permanent gases: ............................................................................................................  
Variable gases: ................................................................................................................

2 points

c) The diagram shows the changes in the concentration of atmospheric carbon dioxide in the second half of the 20th century based on the data gathered by an observatory in the Hawaii Islands.

Source: http://upload.wikimedia.org/wikipedia/commons/3/30/Mauna_Loa_Carbon_Dioxide-hu.png

(ppm: parts per million)
Describe the changes in the atmospheric carbon dioxide concentration over one year, using the figure.

Calculate the growth rate (in percentage) of carbon dioxide concentration between 1980 and the turn of the millennium. Round up your result to a whole number. 

Do your calculations here:

Growth rate: ...................... %

7. Solve the problems on the population changes of cities.
   a) Answer the questions after examining the diagram below.

1. The metropolis of which continent had the largest population in 1950?

2. The population of which city had the largest growth rate at the end of the 20th century?

3. Name one city whose population is not expected to rise further in the beginning of the 21st century.
b) Decide whether the following statements are true or false. Put letter **T** before the number of the true and letter **F** before the number of the false statements.

1. Nowadays the populations of metropolises in developed countries grow at a lower rate than in developing countries. **[..]** 3 points
2. In Africa significant growth in the population size of cities is not observable yet. **[..]** 6 points
3. In Latin America urban population size grows at the highest rate in the beginning of the 21st century. **[..]**

8. Solve the problems below.

a) Which outline map below shows the major coal fields and oil fields, respectively? Put your answer below the relevant outline map.

![Outline map 1](image1)

1. ................................................................. **[..]** 2 points

![Outline map 2](image2)

2. ................................................................. **[..]**

b) Put an **X** in the cell of a true statement. *Marking more statements than appropriate is penalised by point deduction.*

<table>
<thead>
<tr>
<th></th>
<th>Coal and crude oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary energy resource</td>
<td></td>
</tr>
<tr>
<td>Secondary energy resource</td>
<td></td>
</tr>
<tr>
<td>Renewable energy resource</td>
<td></td>
</tr>
<tr>
<td>Non-renewable energy resource</td>
<td></td>
</tr>
</tbody>
</table>

2 points **[..]**

4 points **[..]**
9. The incomplete statements refer to the natural and social endowments of Italy. Put the numbers of the words of the word list in the appropriate gaps in the text. *It is possible that certain words of the word list are used more than once while there is one that is never used.*

**Word list:**

1. Genoa,
2. Milan,
3. Rome,
4. Naples,
5. Turin,
6. Northern,
7. Southern,
8. high,
9. “blue banana”,
10. industrial triangle,
11. Po Plain,
12. coal,
13. natural gas,
14. the Alps,
15. the Apennines,
16. the Rhône Delta.

On socio-economic grounds Italy can be divided into two parts. The ............... regions are much more developed. Here the GDP/capita values are ............... and unemployment is lower. It is where the industrial core of the country, the so called ............... is located. It is composed of the cities ............... and ............... The natural endowments of the ............... region of the country are more favourable. This is where the fertile ............... lies and ............... fields are located also. The Southern ranges of ............... attract the enthusiasts of winter sports and fascinating landscapes.

10. Decide whether the following statements are true or false. Put letter *T* before the number of the true and letter *F* before the number of the false statements.

...... 1. The rapid increase of demand may lead to inflation.  
...... 2. A convertible currency can be exchanged for any another currency without limitations.  
...... 3. The exchange rate of currencies is the value of currencies relative to each other.  
...... 4. The foreign exchange is the official means of payment of a country.  
...... 5. Shares are securities that provide property rights to the owner.

11. Put the letter of the typical branch of industry before the number of the town.

| A) Motor vehicle industry | Győr       |
| B) Pharmaceutical industry | Békéscsaba |
| C) Energy industry | Százhalombatta |
| D) Food industry | Debrecen |
|                  | Esztergom  |
12. Solve the problems below.

a) Complete the figure below by putting the correct numbers in the boxes. *One number can be put into more than one place.*

1. Acidification.
2. Emission of sulphur dioxide.
4. Acidic precipitation.
5. Carbon dioxide emission.

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b) Answer the questions.

1. Name two global environmental problems which are caused by the increasing amount of carbon dioxide and methane.
   - .................................................................................................................................
   - .................................................................................................................................

2. What is the consequence of the emission of freons and other halogenated gases (CFC)?
   ....................................................................................................................................

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Total number of points in Paper II: **75 points**

Total number of points in the examination paper: **100 points**
<table>
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<tr>
<th>I. Tasks assessing topographic knowledge and skills</th>
<th>25</th>
</tr>
</thead>
<tbody>
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<td>1.</td>
<td>4</td>
</tr>
<tr>
<td>2.</td>
<td>6</td>
</tr>
<tr>
<td>3.</td>
<td>6</td>
</tr>
<tr>
<td>4.</td>
<td>6</td>
</tr>
<tr>
<td>5.</td>
<td>7</td>
</tr>
<tr>
<td>6.</td>
<td>7</td>
</tr>
<tr>
<td>7.</td>
<td>6</td>
</tr>
<tr>
<td>8.</td>
<td>4</td>
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<tr>
<td>9.</td>
<td>10</td>
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<tr>
<td>10.</td>
<td>5</td>
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<tr>
<td>11.</td>
<td>5</td>
</tr>
<tr>
<td>12.</td>
<td>9</td>
</tr>
<tr>
<td>Total points in the written part of the examination:</td>
<td>100</td>
</tr>
</tbody>
</table>

Examiner

Date: ............................................

Registrar of the Board of Examiners

Date: ............................................

Examiner/javító tanár

Registrar of the Board of Examiners/jegyző