FÖLDRAJZ
ANGOL NYELVEN
KÖZÉPSZINTŰ
ÍRÁSBELI VIZSGA
2019. május 17. 14:00
I.
Időtartam: 25 perc
Important information

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

The use of the Geography Atlas for Secondary Schools or any other help is **not allowed** in **Paper I**. When 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, and then write it **in ink** (with a **pen**) in the appropriate place. You can correct your answer if necessary, but remember that if the corrections are equivocal or unclear, or the cancellations or corrections are made with a **pencil**, no points can be awarded for your answer. The **total score** and the subtotals that can be awarded for the tasks are shown beside/below the tasks. Please **leave the grey squares blank**.
1. **Name the topographic entities labelled with numbers in the sketch map.**

   ![Map Image](https://d-maps.com/carte.php?num_car=69050&lang=en)

   1. ............................................................  Sea
   2. ............................................................ (city)
   3. ............................................................ (city)
   4. ............................................................ (country)
   5. ............................................................ (country)
   6. ............................................................ (country)
   7. ............................................................ (city)
   8. ............................................................ Peninsula
   9. ............................................................ (island)

9 points
2. Name the geographic entities labelled with numbers in the sketch map.

1. .........................................................  (city)
2. ......................................................... Shield
3. ......................................................... Basin
4. ......................................................... (natural formation)
5. ......................................................... (mountain range)
6. ......................................................... (city)
7. ......................................................... (city)
8. ......................................................... (river)

8 points
3. Name the regions, rivers and towns labelled with numbers in the sketch map of Borsod-Abaúj-Zemplén County.

Source of the map: https://hu.wikipedia.org/wiki/F%C3%A1jl:Borsod-Abauj.png

1. ............................................................ (town)
2. ............................................................ (town)
3. ............................................................ (mountain)
4. ............................................................ Mountains
5. ............................................................ (town)
6. ............................................................ (river)
7. ............................................................ (town)
8. ............................................................ (river)

8 points

Total score in Paper I: 25 points
I. Tasks assessing topographic knowledge and skills.

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Date examiner

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
2019. május 17. 14:00
II.
Időtartam: 125 perc

ÉRETTSÉGI VIZSGA • 2019. május 17.
EMBERI ERŐFORRÁSOK MINISZTÉRIUMA

Földrajz angol nyelven
középszint — írásbeli vizsga 1913
II. összetevő
Important information

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

The use of the **Geography Atlas for Secondary Schools** is allowed in Paper II. A calculator can be used if necessary, but remember that the steps of the problem-solving process should always 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, and then write it in ink (with a pen) in the appropriate place. You can correct your answer if necessary, but remember that no points can be awarded for your answer if the corrections are equivocal or unclear, or the cancellations or corrections are made with a pencil.

Always give the most adequate answers to the questions. More answers than required by the question (e.g. naming three examples instead of the required two) will not awarded extra points, actually, giving more answers than required will be penalized by point deduction.

The total **score** and the subtotals that can be awarded for the tasks are shown beside/below the tasks. Please leave the grey squares blank.
1. **Do the tasks after reading the text below.**

   **Solar eclipse in America**

   At 19 hours 15 minutes Hungarian time, on 21st August, 2017, a total solar eclipse started in the state of Oregon which lies on the meridian 125° W, on the West Coast of the United States, and then it moved over the territory of the USA from northwest to southeast direction.

   a) What time did the clocks show in Oregon at the start of the eclipse?
   
   *Do your calculations here:*

   Result: The clocks showed .......... hours.

   2 points

   b) The picture below was taken of the phenomenon above. Name the celestial bodies the parts of which the observers were able to see. Write the names of the celestial bodies on the dotted lines after the relevant letters.


   A: ...................................................  B: ..................................................

   2 points

   4 points
2. In the figure below the cross section of the basin of the Atlantic Ocean is shown. Answer the questions after studying the figures.

![Cross Section of the Basin of the Atlantic Ocean](image)

a) Which figure shows the magma convection related to the development of the basin of the Atlantic Ocean correctly? Write the letter of the correct figure on the dotted line.

......................

What continents are labelled with the numbers?
1. ........................................................... or ...........................................................
2. ........................................................... or ...........................................................

Name the geologic structural formation labelled with X. .............................................

6 points

b) Name the North European country that lies on an island that came into being due to the processes above.

.............................................................

1 point

c) What rock type is formed in the place labelled with X? Circle the number of the only correct answer.
1. rhyolite
2. granite
3. basalt
4. andesite

1 point

8 points
3. Read the description below and study the synoptic chart.

Notation of wind direction: it is indicated by the line starting from the small circle (wind arrow), and it shows the direction where the wind blows from; in the case of northerly wind, the line is above the circle and in the case of westerly wind it is on the left-hand side, while no wind arrow means calm.

Notation of wind speed: The more numerous and longer the small lines (“feathers”) are at the end of the wind arrow, the stronger the wind is.

https://www.met.hu/ismertetok/Idojarasi_front_ismerteto.pdf

a) Define the term “wind”.

..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................

What is the necessary and sufficient condition for the development of wind?
..........................................................................................................................................

2 points

b) Examine the air movements at location C. Where did higher air pressure develop around that location? Circle the letter denoting the only correct answer.

A) southwest from location C
B) north from location C
C) northeast from location C
D) east from location C

1 point

c) In which location labelled with capital letters is the temperature of the air higher? Put a relation mark (<>) in the box

air temperature in location B □ air temperature in location C

1 point

d) What is the direction of the wind at location D?
..........................................................................................................................................

1 point
e) In which location labelled with capital letters is the wind speed the highest? .......... What is the reason for this? Give a short explanation.
..........................................................................................................................................
..........................................................................................................................................

2 points

7 points

4. Do the following tasks concerning continental ice.

a) The two main forms (types) of continental ice are shown by the pictures below. Name them.

![Picture 1](https://www.npr.org/sections/parallels/2017/10/21/554271726/impossible-to-save-scientists-are-watching-chinas-glaciers-disappear)

1. ..............................................................

![Picture 2](https://www.theatlantic.com/health/archive/2015/02/how-to-survive-winter-in-antarctica/385509/)

2. ..............................................................

2 points

b) The landform shown in the picture below was formed by ice. Which type of continental ice was it created by? Use the numbers of the pictures in point a) above. Write the relevant number in the box.

![Image](https://mrclarke604.files.wordpress.com/2013/11/ushaped-valley.jpg)

Source: https://mrclarke604.files.wordpress.com/2013/11/ushaped-valley.jpg
1. In which of the regions below can the landform shown in picture b) be found? Underline the names of the two relevant regions. *Underlining more answers than required will be penalized by point deduction.*

*the Alps* *the Mátra Mts.* *the Carpathians*  
*the Finnish Lakeland* *the North German Plain*

2. Where on Earth can the continental ice type shown in picture 2 be currently found?

.............................................................................

3. What is the rock debris transported by ice called?

.............................................................................

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5. During the reconstruction of the museum, employees found a famous traveller’s diary that was believed to have been lost. Unfortunately, due to inadequate storage conditions, some words have become illegible. The incomplete sentences refer to the geographic zones of the Earth. Select the terms from the world list that fit into the numbered places. Write the relevant words after the numbers. Not all words can be used.

scrubland, forests, wet, summer, oasis, desert, savanna, identical, winter, opposite, temperature, precipitation, wadi

8th May
My last journey started from the Sahara. The tropical ...1... climate had worn down the health and the morale of my fellow-travellers. That’s why we took a longer rest at the ...2... . The cool of the shade of palms and the availability of enough water improved the mood of the group considerably.

12th May
We left for the local national park from the airport by jeeps. In the ...3... climate, the vegetation is very diverse, so we found woody, bushy and grassy regions as well. The vegetation is primarily determined by ...4... . As we were approaching the Equator, thorn scrub got replaced by grass as tall as a man and here we already came across smaller, closed-canopy ...5... .

1st June
We are already travelling in the southernmost part of Africa. My fellow travellers were surprised to see that we had arrived in the wet and mild ...6... season of the warm temperate belt of the south-western coast. They were not aware of the fact that seasons are ...7... to those of the northern hemisphere.

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

7 points
6. Do the following tasks that concern the problems of big cities.

a) Write the terms below in the relevant places of the figure.

- Air pollution,
- Shrinking green areas,
- Deterioration of certain neighbourhoods,
- Waste management problems

4 points
b) Despite the problems the population of big cities continues to grow. Why are big cities attractive? Name two reasons.

- ...................................................................................................................................
- ...................................................................................................................................

2 points

c) What should be done to reduce air pollution? Make three recommendations.

- ...................................................................................................................................
- ...................................................................................................................................
- ...................................................................................................................................

3 points

7. Decide which terms the statements below are relevant to. Write the relevant letter before the number of the statement.

A) industrial society
B) post-industrial society
C) both of them
D) neither of them

...... 1. Most of the working population is employed in agriculture.
...... 2. Workforce is transferred from the industrial sector to the service sector.
...... 3. The scope of financial services expands considerably.
...... 4. A significant shift in employment from agriculture to industry is observable.
...... 5. The active population is employed in the different sectors of the economy.
...... 6. Nowadays this is typical of the most developed countries of the world.
...... 7. The leading branches of the economy are information technology and biotechnology.
...... 8. The leading branch of the economy is mechanical engineering.

8 points
8. Do the following tasks concerning Hungary.

a) What settlements and economic centres are the descriptions below about? Write the names of the relevant settlements on the lines after the descriptions.

1. It is the energy industry centre of the Northern Hungary region, where a fossil fuel extracted by open cast mining is used for producing electricity.

.................................................................

2. It is the economic and health tourism centre of the Northern Great Plain region. The cleanest fossil fuel is extracted in its vicinity.

.................................................................

3. This settlement in the Southern Transdanubia region provides more than half of the electricity production of Hungary. An important factor in selecting its location was the ample and stable water supply.

.................................................................

3 points

b) To which energy resources are the statements below relevant? Write the letter of the energy resource before the number of the relevant statement.

A) Wind energy
B) Solar energy
C) Geothermal energy

...... 1. The geological endowments of Hungary are exceptionally favourable for the utilization of this energy resource.

...... 2. The natural endowments for the utilization of this resource are the most favourable in the southern and south-eastern parts of the Great Hungarian Plain.

...... 3. This type of energy is exclusively used for producing electricity in Hungary.

...... 4. An important benefit of it is that it is capable of continuous energy provision.

...... 5. Its utilization is mostly confined to the Little Hungarian Plain.

What is common to the energy resources above?

........................................................................................................

6 points

9 points
9. Name the cities to which the statements are relevant.

1. The city lying by the River Neva is the north-western gate of the country. Due to the historic and cultural sights in the city it is an important centre of tourism as well.

2. The city lying close to the estuary of the Po River is one the most popular tourist destinations of the world. Its architectural heritage and its carnival are world famous.

3. The capital city lying by the River Seine is one of the global centres of cosmetics and perfumery, but it is a leading city of the global fashion industry as well.

4. Its architectural and cultural heritage of the Roman Era and the Vatican enclosed in its territory attract lots of visitors from around the world.

5. The capital city divided by a wall into Western and Eastern parts was reunified in 1989.

6. It is a picturesque city of Austria that is a prominent centre of culture and tourism. It is the home town of Mozart and hosts a world famous international festival as well.

6 points

10. The cross section below was made in Bolivia along the parallel 12º S. Answer the questions after studying the figure.

![Cross section diagram]

a) 1. Across which mountain was the cross section made? ..............................................

2. Name the natural vegetation of the belt labelled with D. (The cultivated plants in the belt are: sugar cane, banana, cacao.) .................................................................

3. Proceeding southwards we reach the latitude 32º S. Which of the belts shown in the figure would be absent in the cross section made there? Write the letter labelling it on the dotted line. .............................................
4. Above the dividing line X the annual mean temperature is below 0 °C. What is the name of the line? ..............................................................

4 points

b) The country is rich in mineral resources (e.g. ores of non-ferrous and noble metals, wolfram, lead etc.). The mineral resources are associated with the mountain chain stretching across the country.

Why is the country rich in these mineral resources? ..............................................................

..........................................................................................................................................

1 point

c) A significant portion of the population lives in the belt labelled with C. Why? Give one reason for it.

..........................................................................................................................................

1 point

d) What is the official language of the country? Underline the only correct answer.

English, Spanish, Portuguese, French

1 point

e) Solve the problem after studying the population pyramid.

Which term below is relevant to a country with such a population pyramid? Underline the only correct answer.

- a population becoming younger,  a stagnating population,
- an ageing population,   a decreasing population

Name two problems related to the age composition of the population.

- ..........................................................................................................................................
- ..........................................................................................................................................

3 points

10 points

Total score in Paper II: 75 points
I. Tasks assessing topographical knowledge and skills

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II. Tasks assessing geographical knowledge and skills

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Total score in the written part of the examination: **100**