

ÉRETTSÉGI VIZSGA • 2006. május 19.

**INFORMATIKA
ANGOL NYELVEN
INFORMATION
TECHNOLOGY**

**KÖZÉPSZINTŰ GYAKORLATI
ÉRETTSÉGI VIZSGA
FINAL EXAMINATION
INTERMEDIATE LEVEL
PRACTICAL EXAM**

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

**OKTATÁSI MINISZTERIUM
MINISTRY OF EDUCATION**

Introduction

The exercises are marked in accordance with the guide for evaluation given in the key and guide for evaluation. In the key the marks given for the major logical units are in the bordered parts. The parts without bordering contain the breakdown of the marks and reference to situations where the given mark can be awarded or can not be awarded.

To ensure unified evaluation, please do not divert from the marking in the guide for evaluation. The marks can not be broken down further than indicated in the guide for evaluation. If several solutions are given for the same problem, please evaluate the solution with the most given marks. In the case of several good solutions no extra marks can be awarded.

The evaluation sheet, which only contains the marks for the major evaluation units, can be found at the end of the guide for evaluation. One evaluation sheet should be filled for each examination paper and it should be attached to the examination paper (to the candidate's exercise sheet). The candidate receives this sheet at the seeing of the examination paper. The total marks awarded for the individual exercises and the marks awarded for the exam should also be indicated on the last page of the examination paper, in the tables provided.

For further processing please fill in the electronic guide for evaluation attached to the solution as well.

1. Ice sailing

File <i>jeges</i> exists in the given directory	1 mark
Typed in the given text correctly	2 marks
The given text is typed in completely and correctly	1 mark
The typed text does not contain superfluous special characters (e.g. superfluous end of line and end of paragraph characters)	1 mark
1 mark can be awarded if some parts of the text are missing but at least half of it is typed in correctly and the text does not contain superfluous special characters.	
The content of <i>jegvit.txt</i> is included in the document	1 mark
The title of the article is formatted correctly	6 marks
Font size of the title is 20 points, its type differs from the font type of the remaining text	1 mark
Font colour of the title is blue	1 mark
Font style of the title is bold	1 mark
Font style of the title is italic	1 mark
Font style of the title is expanded	1 mark
Title is aligned centered	1 mark
Formatting the first paragraph after the title	2 marks
The first paragraph is aligned justified	1 mark
The indent of the first line is half centimetre	1 mark
Formatting the list part	2 marks
The given three paragraphs are converted into a list	1 mark
The list is indented from the left	1 mark
Marks can be awarded only if all three paragraphs are formatted correctly.	
The characters of URL “ http://www.sielok.hu/simania/jegvitorlazas.htm ” are in italics	1 mark
There is a spacing of half line after the paragraph	1 mark
The line spacing of the paragraphs inserted from file <i>jegvit.txt</i> is one and a half lines	1 mark
Inserting and formatting picture <i>balaton.jpg</i>	5 marks
Picture <i>balaton.jpg</i> is inserted into the document	1 mark
The picture is in the right place, on the right side	1 mark
The size of the picture is 80% of the original picture	1 mark
The ratio of the sides of the picture are the same as the ratio of the sides of the original picture	1 mark
There is a thin black border around the picture	1 mark
The bottom of the page contains a table with the given arrangement	2 marks
There is a table containing two rows and eight columns at the bottom of the document	1 mark
The cells of the first row are merged	1 mark
Phone number in the second row of the table	4 marks
The phone number “Ice sailing: 06-1-234-5678” can be found in a cell of the second row	1 mark
The phone number “Ice sailing: 06-1-234-5678” can be found in each cell of the second row	1 mark
The orientation of the text is upwards in these cells	1 mark
The texts are aligned centered in the cells	1 mark

Formatting the table	4 marks
The background colour of the first row of the table is light grey	1 mark
The font size is 16 points in the first row	1 mark
The font size is 14 points in the second row	1 mark
The font style is bold	1 mark
Formatting the table	8 marks
The content of the cell is aligned centered vertically	1 mark
In the first row cell border is present only at the bottom of the cell	1 mark
There is dashed border line separating the columns of the second row	1 mark
The border of the left side of the second row is continuous	1 mark
The border of the right side of the second row is continuous	1 mark
No border can be seen at the bottom of the table	1 mark
The height of the first row is exactly 2 cm	2 marks
The mark can not be broken down.	
Total	40 marks

2. Bread

Presentation contains 4 slides	2 marks
If the presentation contains at least 2 slides	1 mark
The background of each slide is picture <i>hatter.jpg</i> (on each slide)	2 marks
If background is correct on at least one slide	1 mark
Each title is dark blue and the rest of the text is black	1 mark
On the 1 st slide the title is aligned centered, the font size is 54 points and the font style is bold	1 mark
On the 2 nd slide the list of the ingredients is bulleted	1 mark
On the 3 rd slide the steps of the preparation are in an unmarked list on the left and photo <i>kep1.jpg</i> is on the right	1 mark
The indent of the first line of the paragraphs of the description is 0.5 cm (for all three paragraphs)	1 mark
The 4 th slide contains pictures <i>kep2.jpg</i> and <i>kep3.jpg</i>	1 mark
The size of the pictures is changed proportionally and they partly overlap	1 mark
Slide transition happens on click and titles appear immediately (on each slide)	1 mark
On the 2 nd slide the lines float in from the right one by one, without click	1 mark
On the 3 rd slide the text floats in from the left and the picture floats in from the right after that	1 mark
On the 4 th slide the pictures float in from the right one by one automatically, with slow motion	1 mark
Total:	15 marks

3. Butterfly

File <i>nappali.html</i> exists	1 mark
Only the accurate file name can be accepted	
In file <i>nappali.html</i> the background colour of the page and the title appearing in the header are correct	1 mark
The style of the title “Diurnal or nocturnal butterfly?” is Heading 1, the font colour is white and it is aligned centered	1 mark
The skeleton of the page is a table whose width is 640 points, aligned centered and without border	1 mark
The background picture is <i>hatter.jpg</i> ; the cell margins and cell separation are 5-5 points	1 mark
Number of rows and columns was chosen correctly for the alignment	1 mark
For example 2 or 3 rows and 1 column.	
If the pictures are placed next to each other, 0 mark	
The text "Characteristics of diurnal butterflies" is Heading 2 and the font size of the remaining text is greater than the default font size.	1 mark
The first picture is on the left, the border is 1 point and the corresponding text is located next to it	1 mark
The second picture is on the right, the border is 1 point and the corresponding text is located next to it	1 mark
The text “Nocturnal butterflies” is a link that points at <i>ejjeli.html</i> and the link, the active link and the visited link are all black	1 mark
Picture <i>jel.gif</i> appears in the same line	1 mark
On page <i>ejjeli.html</i> the background colour of the table is set correctly and the text within it is white	1 mark
The picture and the text are aligned according to the example	1 mark
Link “Diurnal butterflies” is correct	1 mark
The link leads to <i>nappali.html</i> , it is white in each state	
Picture <i>jel.gif</i> appears before the link, in the same line	1 mark
Total	15 marks

4. Herbs

Importing the data, saving as <i>noveny</i> in the suitable format	1 mark
Opened data file <i>noveny.txt</i> , then saved it in the own format of the worksheet processor as <i>noveny</i> .	
Determined the number of months in the gathering period correctly in range <i>E2:E41</i>	4 marks
Compared suitable cells	1 mark
Calculates correctly if $G_{start} \geq G_{end}$	1 mark
Calculates correctly if $G_{start} < G_{end}$	1 mark
Expression in the complete range	1 mark
For example: E2: =IF(D2<C2;13-C2+D2;D2-C2+1)	
Gives the number of the month when the gathering of the first herb of the year starts in cell <i>G2</i>	3 marks
Applies function =MIN()	1 mark
Refers to the right range	1 mark
The formula is located in cell <i>G2</i>	1 mark

For example:

=MIN(C2:C41)

Gives the number of the month when the gathering of herbs gathered for their leaves finishes in a given year in cell G4 correctly	4 marks
Uses a suitable function in cell G4	1 mark
Applies it on the right range	1 mark
Looks up value from the right column	1 mark
Condition or criteria range is correct	1 mark

For example:

=DB.MAX(A1:D41;D1;H3:H4)

Gives the number of herbs gathered for their leaf in cell G6 correctly	3 marks
Uses a suitable function in cell G6	1 mark
Applies it on the correct database or range	1 mark
Calculates in the right column using the criteria or the condition is correct	1 mark

For example:

=DB.COUNT2(A1:D41;B1;H3:H4) or
=COUNTIF (B2:B41;"leaf")

Collects the names of the herbs gathered for their leaf under cell G8 correctly	3 marks
The field name "Name" is in cell G8	1 mark
The names of the right herbs (13 pieces) from cell G9 downwards	1 mark
There are no unnecessary columns	1 mark

Sorts the list of the herbs correctly	2 marks
Sorts them according to Gathering period	1 mark
In descending order	1 mark

Thin cell borders around range A1:D41	1 mark
If more or less is bordered, then 0 mark.	

Font colour in columns E:H is blue	1 mark
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Column widths are set correctly	2 marks
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The content of each cell is visible	1 mark
Fits into 1 page on the print preview	1 mark

Content of the header is correct	2 marks
"Herbs" and date in the header	1 mark
Both are on the correct side	1 mark

Shows the beginning and the length of the gathering period using a stacked bar chart on a new worksheet	4 marks
Displayed the right data and nothing else	1 mark
The chart type is correct and it contains a legend	1 mark
The width of the columns is greater than the default	1 mark
The columns showing the beginning of the gathering period are white and the columns showing the length of the gathering period are dark green	1 mark

Total	30 marks
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5. Basketball

Creating a database with name <i>kosar</i> .	1 mark
The mark can not be awarded for a different database name.	
Importing the data: creating tables with name <i>jatekos</i> and <i>jegyzokonyv</i>	1 mark
If any of the table names is not correct or the importing is incorrect, the mark can not be awarded.	
Each field of the tables is of proper type	1 mark
If added additional fields to table <i>jatekos</i> or did not add a new field with name <i>azon</i> in table <i>jegyzokonyv</i> , then the mark can not be awarded.	
Chose the suitable fields as keys in both tables	1 mark
Set field <i>mez</i> in table <i>jatekos</i> and field <i>azon</i> in table <i>jegyzokonyv</i> as key.	
Query A	2 marks
All three fields appear	1 mark
Ordering is correct	1 mark
For example:	
<pre>SELECT nev, magassag, mez FROM jatekos ORDER BY nev;</pre>	
In the queries the predefined links are also correct.	
Query B	3 marks
Displaying fields <i>jegyzokonyv.be</i> and <i>jegyzokonyv.ki</i>	1 mark
Link is correct	1 mark
Filtering for Víg Péter	1 mark
For example:	
<pre>SELECT be, ki FROM jatekos, jegyzokonyv WHERE jatekos.mez=jegyzokonyv.mez and jatekos.nev='Víg Péter';</pre>	
Query C	3 marks
Determining the value SUM(bjo)	1 mark
Link is correct	1 mark
Filtering or group filtering for Magas Viktor	1 mark
For example:	
<pre>SELECT sum(bjo) AS [Jó dobások száma] FROM jatekos, jegyzokonyv WHERE jatekos.mez=jegyzokonyv.mez and jatekos.nev='Magas Viktor';</pre>	
<i>Or</i>	
<pre>SELECT Sum(jegyzokonyv.bjo) AS [Jó dobások] FROM jatekos, jegyzokonyv WHERE jatekos.mez = jegyzokonyv.mez GROUP BY jatekos.nev HAVING jatekos.nev="Magas Viktor";</pre>	
Query D	3 marks
Displaying <i>jatekos.nev</i> , <i>Sum(bjo)</i> and <i>Sum(bkis)</i>	1 mark
Link is correct	1 mark
Grouping is correct	1 mark
For example:	
<pre>SELECT jatekos.nev, Sum(bjo), Sum(bkis) FROM jatekos, jegyzokonyv WHERE jatekos.mez=jegyzokonyv.mez GROUP BY jatekos.nev;</pre>	

Query E	3 marks
Displaying <i>jatekos.nev</i>	1 mark
Link and filtering for “point guard”	1 mark
Correct filtering for the value of <i>be</i> (relation marks are also correct)	1 mark
For example: <pre>SELECT jatekos.nev FROM jatekos, jegyzokonyv WHERE jatekos.mez=jegyzokonyv.mez And poszt="point guard" And (be Between #0:35:0# And #0:40:0#);</pre>	
Query F	2 marks
Report based on query D	1 mark
Ordering is correct	1 mark
Total	20 marks

1. Ice sailing

File <i>jeges</i> exists in the given directory	1 mark	
Typed in the given text correctly	2 marks	
The content of <i>jegvit.txt</i> is included in the document	1 mark	
The title of the article is formatted correctly	6 marks	
Formatting the first paragraph after the title	2 marks	
Formatting the list part	2 marks	
The characters of URL “ http://www.sielok.hu/simania/jegvitorlazas.htm ” are in italics	1 mark	
There is a spacing of half line after the paragraph	1 mark	
The line spacing of the paragraphs inserted from file <i>jegvit.txt</i> is one and a half lines	1 mark	
Inserting and formatting picture <i>balaton.jpg</i>	5 marks	
The bottom of the page contains a table with the given arrangement	2 marks	
Phone number in the second row of the table	4 marks	
Formatting the table	4 marks	
Formatting the table	8 marks	
Total:	40 marks	

2. Bread

Presentation contains 4 slides	2 marks	
The background of each slide is picture <i>hatter.jpg</i> (on each slide)	2 marks	
Each title is dark blue and the rest of the text is black	1 mark	
On the 1 st slide the title is aligned centered, the font size is 54 points and the font style is bold	1 mark	
On the 2 nd slide the list of the ingredients is bulleted	1 mark	
On the 3 rd slide the steps of the preparation are described without listing on the left and photo <i>kep1.jpg</i> is on the right	1 mark	
The indent of the first line of the paragraphs of the description is 0.5 cm (for all three paragraphs)	1 mark	
The 4 th slide contains pictures <i>kep2.jpg</i> and <i>kep3.jpg</i>	1 mark	
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3. Butterfly

File <i>nappali.html</i> exists	1 mark	
In file <i>nappali.html</i> the background colour of the page and the title appearing in the header are correct	1 mark	
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The background picture is <i>hatter.jpg</i> ; the cell margins and cell separation are 5-5 points	1 mark	
Number of rows and columns was chosen correctly for the alignment	1 mark	
The text "Characteristics of diurnal butterflies" is Heading 2 and the font size of the remaining text is greater than the default font size.	1 mark	
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The picture and the text are aligned according to the example	1 mark	
Link “Diurnal butterflies” is correct	1 mark	
Picture <i>jel.gif</i> appears before the link, in the same line	1 mark	
Total:	15 marks	

4. Herbs

Importing the data, saving as <i>noveny</i> in the suitable format	1 mark	
The gathering period is calculated correctly in range <i>E2:E41</i> .	4 marks	
Gives the number of the month when the gathering of the first herb starts in cell <i>G2</i>	3 marks	
Gives the number of the month when the gathering of herbs gathered for their leaves finishes in a given year in cell <i>G4</i> correctly	4 marks	
Gives the number of herbs gathered for their leaf in cell <i>G6</i> correctly	3 marks	
Collects the names of the herbs gathered for their leaf under cell <i>G8</i> correctly	3 marks	
Sorts the list of the herbs correctly	2 marks	
Thin cell borders around range <i>A1:D41</i>	1 mark	
Font colour in columns <i>E:H</i> is blue	1 mark	
Column widths are set correctly	2 marks	
Content of the header is correct	2 marks	
Shows the beginning and the length of the gathering period using a stacked bar chart on a new worksheet	4 marks	
Total:	30 marks	

5. Basketball

Creating a database with name <i>kosar</i>	1 mark	
Importing the data: creating tables with name <i>jatekos</i> and <i>jegyzokonyv</i>	1 mark	
Each field of the tables is of proper type	1 mark	
Chose the suitable fields as keys in both tables	1 mark	
Query A	2 marks	
Query B	3 marks	
Query C	3 marks	
Query D	3 marks	
Query E	3 marks	
Report F	2 marks	
Total:	20 marks	