



DCA English version (for translations)

-  = wrong answer
 = correct answer

In questions with more than one correct answer the minimum score is 0, even though the calculated score is negative.

Technological Area








LEVEL A

0-01 - Computer fault

Recently your computer has not been working properly, it has been getting slower and slower.

What items reported below can affect your computer speed?

Click on THREE options

Points	Answers	Feedback
-0,33	a. Poor cooling system 	<i>Cooling system is important (especially in modern computers) but it doesn't affect computer performances.</i>
-0,33	b. Power supply break down 	<i>When there is a power supply breakdown, the PC crashes and does not work (unless it has a battery).</i>
+0,33	c. One or more viruses in the computer 	<i>Some viruses affect computer speed because they massively use computer resources.</i>
-0,33	d. Poor startup system 	<i>There is no "startup system" on a PC!</i>
+0,33	e. There are too many programs open simultaneously 	<i>When too many software programmes are open at the same time (especially in Windows-based systems) central memory is used up. As a result the PC is slower.</i>
+0,33	f. There are too many programs installed on the computer 	<i>When new software is installed on the computer, the configuration registry is modified. The more software installed on the PC, the larger the configuration registry, and this slows down the PC. More and more software installed greater and greater the registry and the slowing down of the computer.</i>
-0,33	g. Sudden changes in power supply 	<i>Changes in power supply can be dangerous for the computer but they do not affect PC performance.</i>

0-02 - Problems with the Internet

You are browsing for a web site and you get the following message:

"The requested URL was not found on this server".

What options reported below can explain this?

Click on THREE options

Points	Answers	Feedback
+0,33	a. The web URL (address) is wrong ✓	<i>If the URL (address) is wrong (e.g. www.gogle.com instead of www.google.com) it is possible that the above message will appear.</i>
-0,33	b. There are no suitable programs in the computer ✗	<i>In the question it is specified that you are using a browser so that the problem is not related to the software...</i>
+0,33	c. There are problems with the server hosting the web site ✓	<i>If the web site server is down then the site web pages cannot be accessed and the above error message appears. If you are sure you wrote the URL correctly, you must again try later.</i>
-0,33	d. The computer has not enough RAM memory ✗	<i>When there is little RAM the computer is slower or has other problems, there is no connection between RAM size and viewing a web page.</i>
+0,33	e. The Internet connection is down ✓	<i>If the connection is down no web page can be seen and no services (including browsing) can be started.</i>

0-03 - Starting e-mail service

You would like to test your new PC at home to manage your e-mail.

The list below reports some of the equipment and services you need to activate the service.

Click on TWO options

Points	Answers	Feedback
-0,5	a. Client/desktop e-mail software ✗	<i>A dedicated software is usually not needed because you can access through the web-mail service.</i>
+0,5	b. An e-mail address ✓	<i>To use e-mail services you need an active e-mail account (user ID, password etc.). You can have it for free from many providers.</i>
-0,5	c. A high speed connection to the Internet (ADSL) ✗	<i>To access an e-mail service ADSL is not necessary; you can use a slower connection.</i>
-0,5	d. A printer ✗	<i>To access e-mail services you do not need any printer. A printer is useful if you want to print a message.</i>
+0,5	e. To be connected to the Internet ✓	<i>E-mail is one of the services of the many Internet services so that you must be connected to access it.</i>

0-04 - E-mail doesn't arrive at destination

You sent an e-mail. Two hours later, the receiver reports he/she has not yet received your message. What are the possible reasons for the delay?

Click on THREE options

Points	Answers	Feedback
+0,33	a. The server of the recipient is down ✓	<i>This could be a good explanation. When this happens the server of your provider makes further attempts at later intervals (some hours later). The message will only be sorted after the start up of the recipient's server.</i>
-0,33	b. You forgot to sign the message ✗	<i>Based on Netiquette, not signing a message is a discourtesy, but it does not affect e-mail delivery.</i>
-0,33	c. The message has been sent during the night ✗	<i>E-mail servers are always active. Sending messages at night does not influence the e-mail service in any way.</i>
-0,33	d. The computer is slow and there is not enough memory ✗	<i>When a PC does not work well it can be very difficult to use, but there is no connection between this and the problems in sending/receiving e-mail.</i>
+0,33	e. There are too many attachments in the message ✓	<i>This could be a good reason for the delay. You could also receive an error message from the server of the receiver (usually with a given delay) if the total size of the message exceeds the accepted one (i.e., the server does not accept your message because of its size).</i>
-0,33	f. The software for managing e-mail is too old ✗	<i>The client software does not cause e-mail delay. The message is sent to an e-mail server which sorts out it.</i>
+0,33	g. There is traffic congestion on the Internet ✓	<i>This could be a valid reason; when there is too much traffic the servers can be slower in sending/receiving e-mail messages.</i>

0-05 - The printer

You want to print a document. You tell the PC to do so, but the printer does not work. What should you check to try and solve the problem?

Click on THREE options.

Check that:

Points	Answers	Feedback
-0,33	a. The Internet connection is on X	<i>The Internet connection can be useful to download the driver but you do not need it to make the printer work properly.</i>
-0,33	b. The audio system is on X	<i>The audio system does not affect printer function and/or performance in any way.</i>
+0,33	c. The printer is on ✓	<i>This is the first thing to do (i.e., if the printer is not switched on it cannot print!). Lots of technical repairs can be avoided by checking the on/off switch or the plug in the socket!!</i>
-0,33	d. The PC power supply cable is connected X	<i>This is pointless since we are already working and the computer is on.</i>
+0,33	e. The printer driver is installed ✓	<i>Like all peripherals the printer needs a driver (i.e., a specific software to be installed in the Operating System). When it is not included in the System, it can be installed using a CD which comes with the printer. The installation process must be done properly for the printer to work properly.</i>
+0,33	f. The error light on the printer is not lit up ✓	<i>Before thinking of more complex problems check the printer lights; they usually warn you about paper jams, ink cartridge state etc. (i.e., these are the usual reasons for printer malfunction).</i>

0-06 - Problems with audio

You have downloaded a audio file and want to listen to it. After having given the right commands and loaded the file no music can be heard.

What checks could be useful to solve the problem?

Click on TWO options.

Check that:

Points	Answers	Feedback
-0,5	a. The Internet connection is up X	<i>There is no point in checking this because you have already downloaded the file. You do not need to be connected to hear the file.</i>
-0,5	b. The printer is on X	<i>The printer does not interfere with the audio system.</i>
+0,5	c. The loudspeaker is on ✓	<i>If your PC has external loudspeakers check they are not turned off. Otherwise check that the audio has not been disabled. In Windows' systems it is usually in the lower right-hand corner near the clock.</i>
+0,5	d. The volume control is high enough ✓	<i>You must check that the volume has not been lowered too much.</i>

0-07 - Browsing the web is slow

You are surfing the web but the page you are looking for appears very slowly in the browser window. What are the possible reasons for this?

Click on THREE options.

This can depend on:

Points	Answers	Feedback
+0,33	a. a traffic congestion on the Net <input checked="" type="checkbox"/>	<i>When there is traffic congestion on the Internet web pages and their images are delayed and you can experiment a slow visualization.</i>
+0,33	b. too many people are trying to access that site at the same time <input checked="" type="checkbox"/>	<i>When too many people try to access the same web site at the same time the server responds slowly to the clients' requests.</i>
-0,33	c. a breakdown in the power supply <input type="checkbox"/>	<i>When the power supply breaks down the computer switches off or the Internet is disconnected; you cannot browse.</i>
-0,33	d. a problem (fault) with the computer <input type="checkbox"/>	<i>It there is a problem with the computer the web page does not appear at all. If the page appears little by little then the computer is OK.</i>
+0,33	e. some very large/heavy images on the page <input checked="" type="checkbox"/>	<i>When there are many images on a web page or the images are very large the delay in page download can be quite long. Sometimes the delay is such that the final page is not complete.</i>
-0,33	f. an error in the operating system <input type="checkbox"/>	<i>Errors in the operating system create dramatic problems in a computer (e.g., you cannot access the Internet, the computer resets etc.); however, this does not cause a slowdown in browsing.</i>

0-08 - Virus in the PC

You have a virus in your PC. What are the possible consequences?

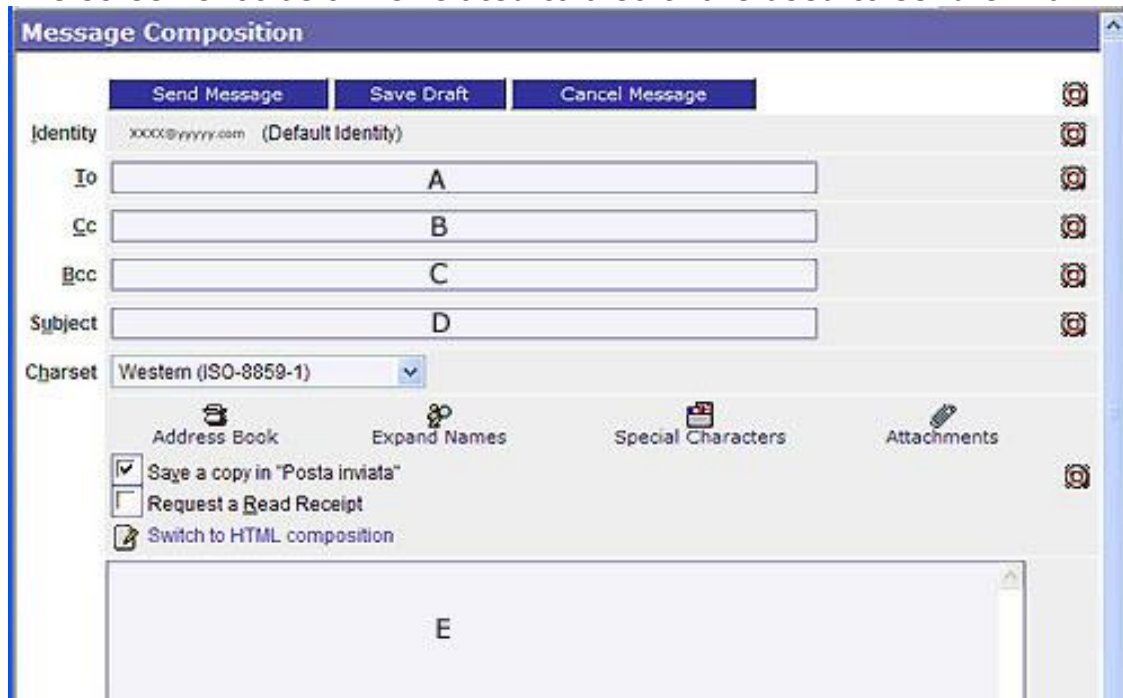
Click on THREE options.

The virus can:

Points	Answers	Feedback
+0,33	a. delete data and information on the PC <input checked="" type="checkbox"/>	<i>The most relevant effect of the presence of viruses is the data loss. Sometimes they act by deleting all data at a given time, just like a time bomb.</i>
-0,33	b. damage the printer <input type="checkbox"/>	<i>Viruses cannot damage physical components of the computer such as printers.</i>
-0,33	c. induce a black out at home <input type="checkbox"/>	<i>Neither computer hardware nor electric equipments external to the computer can be affected by viruses.</i>
-0,33	d. damage the electronic circuits of your PC <input type="checkbox"/>	<i>Viruses are software, they usually cannot usually damage electronic circuits. They can delete or modify important data on your computer.</i>
-0,33	e. infect you through the keyboard and induce a disease <input type="checkbox"/>	<i>Computer viruses cannot infect human beings because they are not living organisms. They can only affect computer performance.</i>
+0,33	f. make special characters appear on the screen <input checked="" type="checkbox"/>	<i>Viruses manifest themselves in different ways. Among other things they can modify screen representations in many programs.</i>
+0,33	g. make your programs and the whole box slower <input checked="" type="checkbox"/>	<i>Viruses act in different ways. They can make the computer slower by affecting the software.</i>

0-14 - Electronic mail

The screen shot below is related to a software used to send e-mail.



Letters A, B, C, D, E mark some special fields and areas. Connect them with the corresponding elements/explanations.

Elements

- Text of message
- Address of hidden recipient/s(hidden carbon copy recipient)
- Main subject of the message
- Address of the recipient
- Address of other recipient/s(carbon copy recipient)

Correct relations (0,25 points each)

- E
- C
- D
- A
- B

0-17 - Programs and operations

The table below shows a list of possible actions. Link each action with the corresponding program.

Actions
A - Write a document
B - Create non linear hyperlinks
C - Make calculations and tables
D - Keep a diary on the Internet
E - Write a collaborative document on the Internet
F - Manage an archive

Programs

Spreadsheet

Database management system

Hypertext editor (or web editor)

Blog

Word processor

Wiki

Correct relations (0,167 points each)

C

F

B

D

A

E

0-21 - What computers can do

There are some activities computers can not do better than human beings.

In the list below, select the activities which computers can not perform as well as human beings.

Click on FOUR options.

Points	Answers	Feedback
+0,25	a. Interpret a text (i.e., summarize and explain it) ✓	<i>Summarizing a text and writing remarks for it need high level linguistic competences and understanding skills. These features are not yet implemented in any computer program.</i>
+0,25	b. Suggest the right curriculum of study to people ✓	<i>Today there are many special software helping students in school guidance. They use a given series of questions to let people choose the best option from a set of predisposed ones. The suggestions they are able to give only partially analyze the context and cannot be compared with an interview made by a human.</i>
-0,25	c. Calculate profits and proceeds in a business firm ✗	<i>Business and administration tasks can usually be easily solved by programmed computers.</i>
-0,25	d. Calculate the temperatures of a gas at different pressures ✗	<i>Whatever calculation is needed, also very complex and difficult, it can be made by programmed computers. It has to be noted, on another hand, that some mathematical problems cannot be solved by computers!</i>
-0,25	e. Suggest a good move while playing chess ✗	<i>Several good software programs for playing chess are available. In 1996, for the first time, a program working on a supercomputer called Deep Blue won a chess game against the world champion, Gary Kasparov.</i>
+0,25	f. Do a good literary translation of a text in different languages ✓	<i>The translation of a complex text is still a very difficult task for a computer. There are some programs able to do translations but they are usually limited to single words or little sentences. In more complex cases the understanding of the text is needed to have a good translation.</i>
-0,25	g. Calculate the flying time for a rocket from the Earth to the Moon ✗	<i>Whatever calculation is needed, also very complex and difficult, it can be made by programmed computers. It has to be noted, on another hand, that some mathematical problems cannot be solved by computers!</i>
+0,25	h. Make a humorous comment ✓	<i>Humour is not yet a computer feature and cannot be implemented in any program.</i>
-0,25	i. Check the spelling of the words in a text ✗	<i>Orthographic control is an easy operation for computer programs. Almost all word processors have this function for helping people to correctly write.</i>

0-22 - Working with videos

You have recorded a soccer match on your digital camera. Now you want to archive it and access the most interesting scenes in the match directly. From the list below, choose the right answer.

Points	Answers
0	a. It is possible to do this. Special programs exist that where you show the name of the player so that they search by themselves all the scenes with that player
1	b. It is possible to do this. First of all, you must mark the scenes you want and send them, one at a time, to the right program ✓
0	c. It is not possible to do this; there are no instruments available to do this
0	d. It is possible to do this. You need special equipment and the help of very skilled professionals

LEVEL B

0-23 - Searching with logical operations/1

You have to find the books edited by Stevenson and published by Penguin using the query form reported below:

AUTHOR :	<input type="text" value="Stevenson"/>
PUBLISHER :	<input type="text" value="Penguin"/>
OPERATION :	<input type="text"/>

From the list below, choose the logical operator for the OPERATION field to get the correct information:

Points Answers

- 0 a. NOT AND
- 0 b. OR
- 1 c. AND ✓
- 0 d. NOT OR
- 0 e. NOT

0-25 - Searching with logical operations/3

You need to find documents on at least one of the following words: "goat", "sheep", "mouflon".

From the list below, choose the right sequence of operations get the right information when using a search tool.

Points Answers

- 1 a. goat OR sheep OR mouflon ✓
- 0 b. goat AND sheep AND mouflon
- 0 c. goat NOT sheep NOT mouflon
- 0 d. goat OR sheep AND mouflon

0-26 - The shortest way

	A	B	C	D	E	F	G
1	X						
2							
3							
4							
5							
6							
7							

As you can see from the above figure the cell with the X and the pointer is in A1. You must transfer the pointer to the cell F2 by using the least number of steps and the respecting constraints:

1. the pointer can only move by the commands RIGHT/LEFT/UP/DOWN n (n is the number of cells). As an example DOWN 2 will transfer the pointer to A3;
2. it is impossible to pass through the black cells.

From the list below, choose the right sequence of operations.

Points Answers

- 0 a. RIGHT 2 - DOWN 3 - RIGHT 4 - UP 2
0 b. RIGHT 2 - DOWN 4 - RIGHT 3 - UP 3
1 c. RIGHT 2 - DOWN 3 - RIGHT 3 - UP 2 ✓
0 d. RIGHT 5 - DOWN 1

0-30 - Formal Languages/2

The program below manages a soft drinks dispenser; where the arrow occurs, a command is missing.

```
START:
    INCOME_INPUT = 0
    INCOME_DUE = 10
INPUT:
    INPUT COINS
    INCOME_INSERTED = INCOME_INPUT + COINS
    IF _____ <-----
        OUTPUT SOFT DRINK
        RETURN TO START
    OTHERWISE
        RETURN TO INPUT
```

From the list below, choose the right command

Points Answers

- 0 a. INCOME_INSERTED < INCOME_DUE
0 b. INCOME_INSERTED < COINS
1 c. INCOME_INSERTED >= INCOME_DUE ✓
0 d. INCOME_INSERTED = COINS

Cognitive Area

LEVEL A

1-01 - Key words

Read the following text:

In the Paleolithic era, more or less 25000 years ago, there were the first examples of figurative art. The First expressions of art were naturalistic: prehistoric men conceived images as a portrayal of the visible world.

In the list below select the key words which summarize best the above text:

Points Answers

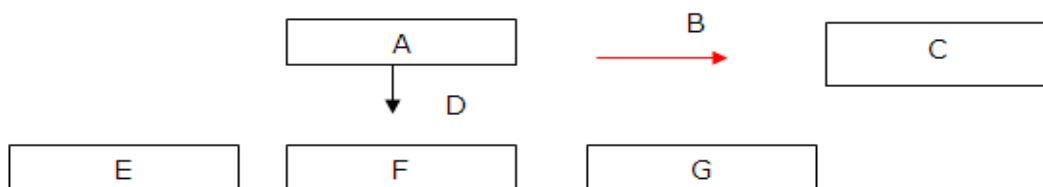
- 1 a. Art, Paleolithic, naturalism ✓
- 0 b. Figurative art, cave paintings, sculptures
- 0 c. Art, Paleolithic, tools
- 0 d. Samples, Paleolithic, prehistoric man
- 0 e. Painting, Paleolithic, world

1-04 - Graphical representation of a text

Read the following text:

The *Lord of the Rings* is an epic high fantasy novel written by the English academic and writer J. R. R. Tolkien. It was originally published in three volumes: "The Fellowship of the Ring", "The Two Towers" and "The Return of the King".

You must summarize the text in sentences and include them in the boxes within the drawing below.

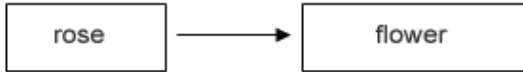


Connect the sentences on the left with the letter above naming the rectangle or the arrow in the list on the right.

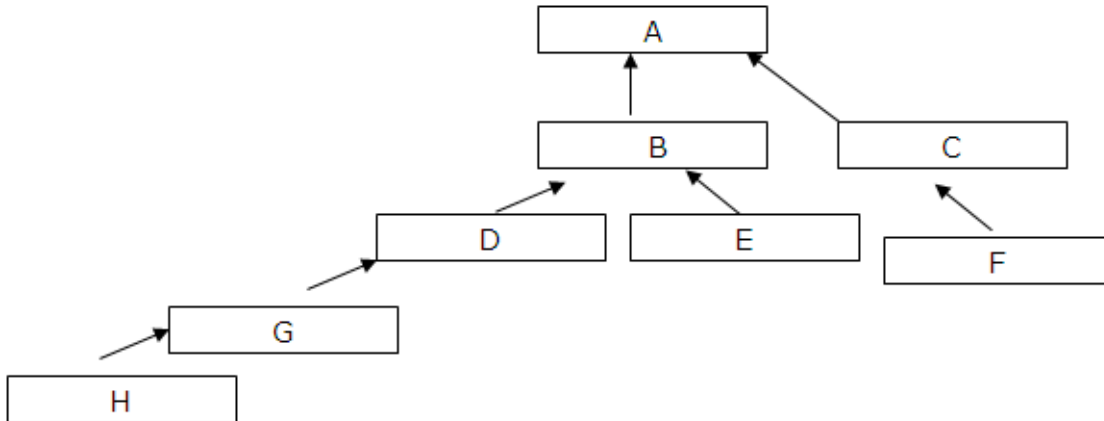
Sentences	Correct associations (0,142 points each)
was written by	B
consists of	D
The Lord of the Rings	A
The Fellowship of the Ring	E
The Two Towers	F
The Return of the King	G
J. R. R. Tolkien	C

1-05 - Hierarchical organization

The rectangles in the diagram below contain nouns or names, the arrows mean "is" or "belongs to" (class, family etc.):



means that "a rose is a flower" or "a rose belongs to the class of flowers".
Complete the drawing below by using the right terms:



For each definition in the list below you must select the letter of the rectangle where you think the item could be placed.

Definitions	Correct associations (0,125 points each)
Mammal	B
Fish	C
Dog	D
Living being	A
Lassie	H
Anchovy	F
Cat	E
Dobermann	G

1-10C - Balance/3

A firm's balance sheet is reported in the table below. In column B (Income) there is the profit, in column C (Expenditure) the costs, in column D (Balance) the total amount available for the firm at the end of the month.

A	B	C	D
			Credit balance year before
			800
Month	Income	Expenditure	Credit balance current year
January	300	400	700
February	1200	200	1700
March	600	500	1800
April	800	900	1700

How much money was available for the firm at the end of January if it had no expenditure?

Correct answer: **1100 (1 point)**

1-11 - Finding the missing value

Your financial situation is reported in the table below. In column B (Income) there is your profit, in column C (Expenditure) the costs, in column D (Balance) the total amount available for you at the end of any month.

	A	B	C	D
1				Credit balance year before
2				40
3	Month	Income	Expenditure	Credit balance current year
4	January	100	50	90
5	February	200	120	170
6	March	120		240

What amount is missing in the third column of the last row (cell C6, Expenditure for March)?

Correct answer: **50 (1 point)**

1-12 - Working with tables

The tables below have been taken from the accounting books of a shop in your town.

Sale date	Income	Customer
1/8	120	651
2/8	100	254
3/8	251	254
3/8	125	876
4/8	131	651

Customer ID	Name
254	Mark Red
651	John White
876	Tony Green

Answer the questions reported below by selecting the name of the right customer above:

Questions

The customer who bought least

The customer who bought the most expensive thing

The customer who bought most

Correct answers(0,33 points each)

Tony Green

Mark Red

Mark Red

1-20 - Searching on the Internet/2

All the news on the TV talks about the presence of flu in Autumn. To be informed and get some advice on the best way to avoid the illness you make a research on the Internet and obtain the list of web sites reported below:

[Flu \(Influenza\), NIAID, NIH](#)

Blood from survivors of the deadly 1918 **flu** is helping a modern researcher understand why that **flu** was so lethal—and may also hold a key to preparing for ...

www.niaid.nih.gov/factsheets/flu.htm - 30k - [Cached](#) - [Similar pages](#)

[Influenza \(Flu\) Causes, Symptoms, Treatment, Vaccine and Types on ...](#)

Learn **flu** symptoms, treatment and causes. Find out how long the **flu** lasts, how it's spread and when to get **flu** shots (and what types they prevent).

www.medicinenet.com/influenza/article.htm - 53k - [Cached](#) - [Similar pages](#)

[News | Yuppie Flu](#)

Official site includes news, lyrics, gigs and samples.

www.yuppieflu.net/ - 8k - [Cached](#) - [Similar pages](#)

[Pandemic Flu](#)

One-stop access to US Government avian and pandemic **flu** information.

www.pandemicflu.gov/ - 23k - [Cached](#) - [Similar pages](#)

[Fiat-Lancia Unlimited](#)

If your interested in finding out more about this new **FLU** chapter or are in the area and want to join contact Lee via email at this address. ...

www.flu.org/ - 21k - [Cached](#) - [Similar pages](#)

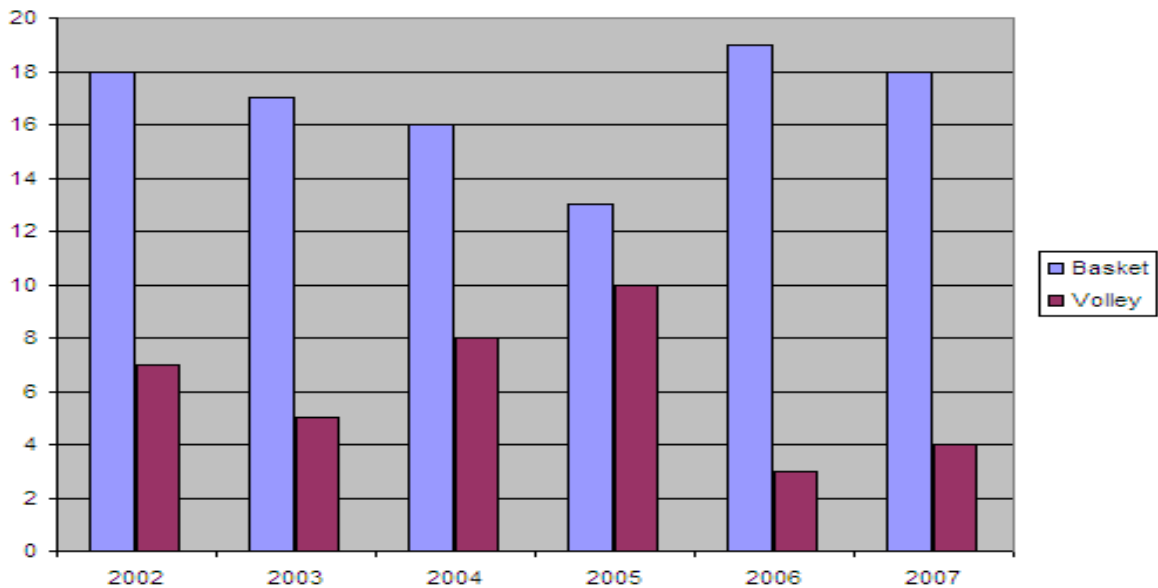
Which web site has the information you are interested in?

Points Answers

- 0 a. Pandemic Flu
- 0 b. Fiat-Lancia Unlimited
- 0 c. FLU (Influenza), NIAID, NIH
- 1 d. Influenza (Flu) Causes, Symptoms, Treatment, Vaccine and Types on ... ✓
- 0 e. News | Yuppie Flu

1-15 - Reading an histogram

How much the students in your school like two sports, basketball and volleyball, in the period 2002 - 2007 is reported in the figure below .



By looking at the graph select the right items in the list below.

Click on TWO choices

Points Answers

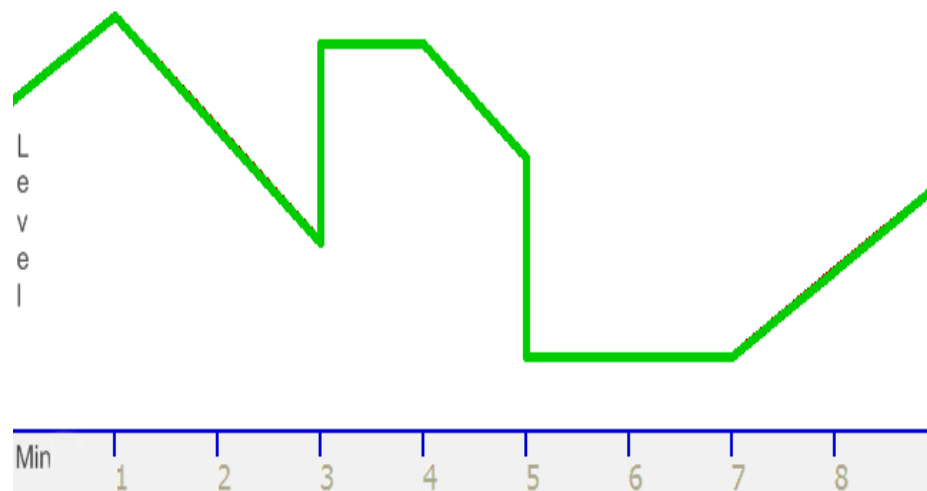
- 0,5 a. In 2003 the interest in basketball was at its maximum **X**
- 0,5 b. In 2007 basketball is less popular than in 2004 **X**
- +0,5 c. In 2006 basketball is the sport liked most **✓**
- 0,5 d. Between 2004 and 2005 the interest in volleyball decreased **X**
- +0,5 e. In 2006 the interest in volleyball is at its minimum **✓**
- 0,5 f. The interest in volleyball has increased over the years **X**

1-18 - Physical phenomena

In a bathtub the following events are possible:

3. the tap is turned on (the water level in the tub increases slowly)
4. the plug is removed (the water level in the tub decreases slowly)
5. one person gets in the tub (the water level in the tub increases suddenly)
6. one person gets off the tub (the water level in the tub suddenly decreases)
7. nothing happens (the water level in the tub remains unchanged)

The figure below describes the evolution of the water level in a tub in 9 minutes:



By looking at the graph select the right statements in the list below.

Click on FIVE choices:

Points Answers


- +0,2 a. At minute 3 one person gets in the tub ✓
- +0,2 b. At minute 8 the water tap was turned on ✓
- +0,2 c. At minute 2 the plug is removed ✓
- +0,2 d. One person gets in and out of the tub in the 9 minutes in the graph ✓
- +0,2 e. The tap has been turned on 3 minutes altogether ✓
- 0,2 f. The plug has been removed on 4 minutes altogether ✗
- 0,2 g. At minute 6 the plug is removed ✗
- 0,2 h. At minute 8 one person gets out of the tub ✗

1-30 - Results from search engines

When you use a search engine in the Internet you obtain a list of links to web sites for the query you submit. The sites at the beginning of the list have a common feature; select it from the list below.

Scegliere una risposta.

Points Answers


- | | |
|---|--|
| 1 | a. They suitably adapt to the search engine criteria as regards the pertinence of the web site  |
| 0 | b. They give the greatest quantity of information for your search |
| 0 | c. They contain the most useful and correct information for your search |
| 0 | d. They are the more useful sites for your search |

1-31 - Understanding the behavior of the information's author/1

The same news, concerning the assault of an old man, is reported in newspapers with different titles.

Select the title in the list below containing the author's opinion on immigrants.

Points Answers

- | | |
|---|--|
| 0 | a. Old man assaulted by two immigrants in front of his home |
| 0 | b. Two immigrants rob an old man in the street |
| 0 | c. Violence is increasing in the streets: yet another old man assaulted |
| 1 | d. Yet another old man assaulted by immigrants in the street  |
| 0 | e. An old man was assaulted on the road by two immigrants |

LEVEL B

1-32 - Hierarchical structure of a document/1

When writing a document you can logically organize the topics within it by creating suitable paragraphs and sub-paragraphs.

You are writing a text concerning "Sports and youth" and have already organized the document as follows (the titles of the paragraphs are in normal style, the text in the paragraph is in italic):

1. Sports and youth

1.1 Favorite sports

In my opinion the sports young people like most are . . .

1.1.1 Physical sports

1.1.2 Artistic sports

1.1.3 Water sports

Where would you include the sentence below?

Athletics takes place outdoors

Specify the number of the paragraph title in the list below

Points	Answers
--------	---------

- | | |
|---|------------|
| 0 | a. 1.1 |
| 0 | b. 1.1.2 |
| 1 | c. 1.1.1 ✓ |
| 0 | d. 1.1.3 |

1-35 - Comparison of sources/1

"The Battle of Waterloo"

You have two sources with information on the battle of Waterloo (June 18th 1815) involving Napoleon's army and the armies of Britain, Prussia and their allied. In the table below the information from two sources is reported:

Source 1	Source 2
Napoleon wanted to attack his enemies at 7:00 in the morning, but his troops were tired	In the morning Napoleon's troops were ready for the battle, but the fog made it impossible
The battle was two days long	The battle was eight hours long
50,000 soldiers died in the battle	At the end the battlefield was covered by dead soldiers
Napoleon thought he could win the battle even if he could no longer be supported by his clever staff member, Marshal Berthier	Historians agree on Napoleon's optimism about the result of the battle
Napoleon charged general Grouchy with the mission of preventing the Prussian army joining the British army	Napoleon aimed to prevent the arrival of the Prussian army on the battlefield
The battle went against to French army when Prussian army arrived in the afternoon	One of the reasons for Napoleon's defeat was the arrival of the Prussian army on the battlefield

Information must be evaluated by using the following rule:

- if the information in one source is confirmed by the corresponding information in the other source it is considered a "**plausible hypothesis**"
- if the information in one source can be neither confirmed nor denied by the information in the other source it is considered an "**hypothesis to be further verified**"
- if the information in one source is denied by the information in the other source it is considered a "**contradicted hypothesis**"

By looking at the above rules select the level of reliability of the statements reported below:

Statements

Napoleon's strategy was based on the separation of the enemy

The battle was two days long

Napoleon fought the battle because he thought he could win

In the morning Napoleon's troops were tired

The arrival of the Prussian army at Waterloo determined the defeat of Napoleon

More than 50,000 soldiers died at Waterloo

Correct associations (0,166 points each)

Plausible hypothesis

Denied hypothesis

Plausible hypothesis

Denied hypothesis

Plausible hypothesis

Hypothesis to be further verified

Technological Area

2-05 - Paying online

You want to book a ticket for a rock concert online. While on the concert web site, you see you can not only book the ticket but also pay for it online.

What do you think about it?

Points Answers

- 1 a. It is possible to buy online by credit card on the secure site suggested by the seller. ✓
- 0 b. It is possible to pay online, but you must personally know the seller
- 0 c. It is impossible to pay online.
- 0 d. It is possible to pay online, but it's better not to; one may risk losing money.

2-10 - Quotation

You are asked to write an essay on science. While searching for information on the Internet, you retrieve from the web site <http://www.climate.org> the following sentence stated by the scientist John Doe:

"The increase in the Earth's average temperature is expected to raise the sea level by 20 cm in a few years".

You decide to quote this sentence in your essay.

What is the best way to do?

Points Answers

- 0 a. I quote it in the report without any further details
- 0 b. I quote it adding "(retrieved from the Internet)"
- 1 c. I quote it specifying the author, the URL, the retrieving date ✓
- 0 d. I quote it specifying the author of the sentence "(John Doe)"

2-11 - Authors on the Internet

Uploading audios, videos and personal pictures on the Internet, which can be heard, watched and downloaded by everyone, is a very widespread phenomenon with some troublesome implications.

According to you, which of the problems below is hardest to solve?

Points Answers

- 0 a. Copying the downloaded content
- 0 b. Giving titles and making notes on the content by the people accessing the web site
- 0 c. Uploading or downloading digital content to or from a web site
- 1 d. Respecting the authors' copyright terms ✓

2-12 - Referring to other people

Bob laughs about Mark's body on his own blog and invites his friends to do the same. In your opinion:

Points Answers

- | | |
|---|---|
| 1 | a. This behaviour is completely unacceptable ✓ |
| 0 | b. It can be justified when young people are involved |
| 0 | c. You don't agree with Bob's behaviour, but contribute to the joke |
| 0 | d. It is only a joke, there is nothing wrong with it |

General Feedback for this question

The so called cyberbullism is growing. It should be clear that it is a more serious form of violence than that represented by mocking a person in real life, since the victim feels as (s)he is being mocked by all the world.

2-16 - Communicating with foreign countries

Your school is twinned with a school in Dakar, Senegal. The e-mail exchange with Senegal students is one of the initiatives for promoting mutual knowledge. You have been told to avoid audio and video attachments in the messages when corresponding with those students.

What do you think about this warning?

Points Answers

- | | |
|---|--|
| 0 | a. I think this warning is not important and it can be ignored |
| 1 | b. It's right and completely understandable ✓ |
| 0 | c. I can't understand why, but I'd accept it |
| 0 | d. I don't agree with it. I don't understand why I cannot send a good video I have |

20 - Audio and video on the Internet

You have to create a web site to be published on the Internet and must decide how many images, audios and videos to use.

Answer the questions below by saying if you agree or not with the corresponding statements:

Answers

The more the images and the audios on the site better the final effect will be.
It's very important to select images, audios and videos carefully so that they are not heavy (in their dimensions) and can easily appear on the web.
The presence of images, audios and videos can limit the access to the site for people who do not have very good equipment or are disabled.

Correct answers (0.33 points each)

I agree
I don't agree
I agree