

KULLEĠĠ SAN BENEDITTU Boys' Secondary, Kirkop

Mark

HALF-YEARLY EXAMINATION 2013-2014

Level 8-7-6-5

FORM 3

ICT

Time: 1½ hrs

Section	1	2	Global Mark
Max. Mark	41	59	100
Mark			

DO NOT WRITE ABOVE THIS LINE

Name: _____

Class: _____

Section 1 - The following section is about Computer Essentials – Total Marks 41.

A. Typically all computers will have these ports. Fill in the blanks using the following words: [6 marks]

FireWire port USB port Parallel port Serial port Network port HDMI port

- a) _____ – supports fast transfer data rates. Pendrives, digital cameras, mice and keyboards can be connected to the computer via this port.
- b) _____ - supports the transfer of audio and video data through a single cable.
- c) _____ – connects or used to connect the printer to the computer.
- d) _____ – used to connect the computer to a network or a modem.

- e) _____ – connects digital video cameras to the computer. This port supports faster transfer data rates than USB ports.
- f) _____ - can be used or used to connect mice and keyboards to the computer.

B. Fill in the blanks using the words provided below about File Compression:

[4 marks]

<i>transferred</i>	<i>files</i>	<i>less</i>	<i>quickly</i>
<i>reducing</i>	<i>.zip</i>	<i>archive</i>	<i>smallest</i>

File compression is the process of _____ the size of a data file to the _____ size possible. Compressed files take up _____ storage space and can be _____ to other computers more _____ than uncompressed files. Compressed files are organised in a folder ending with the extension _____. A folder containing compressed _____ is also known as an _____ folder.

C. Arrange the following storage capacity measurements in Ascending order (from smallest to largest).

[3 marks]

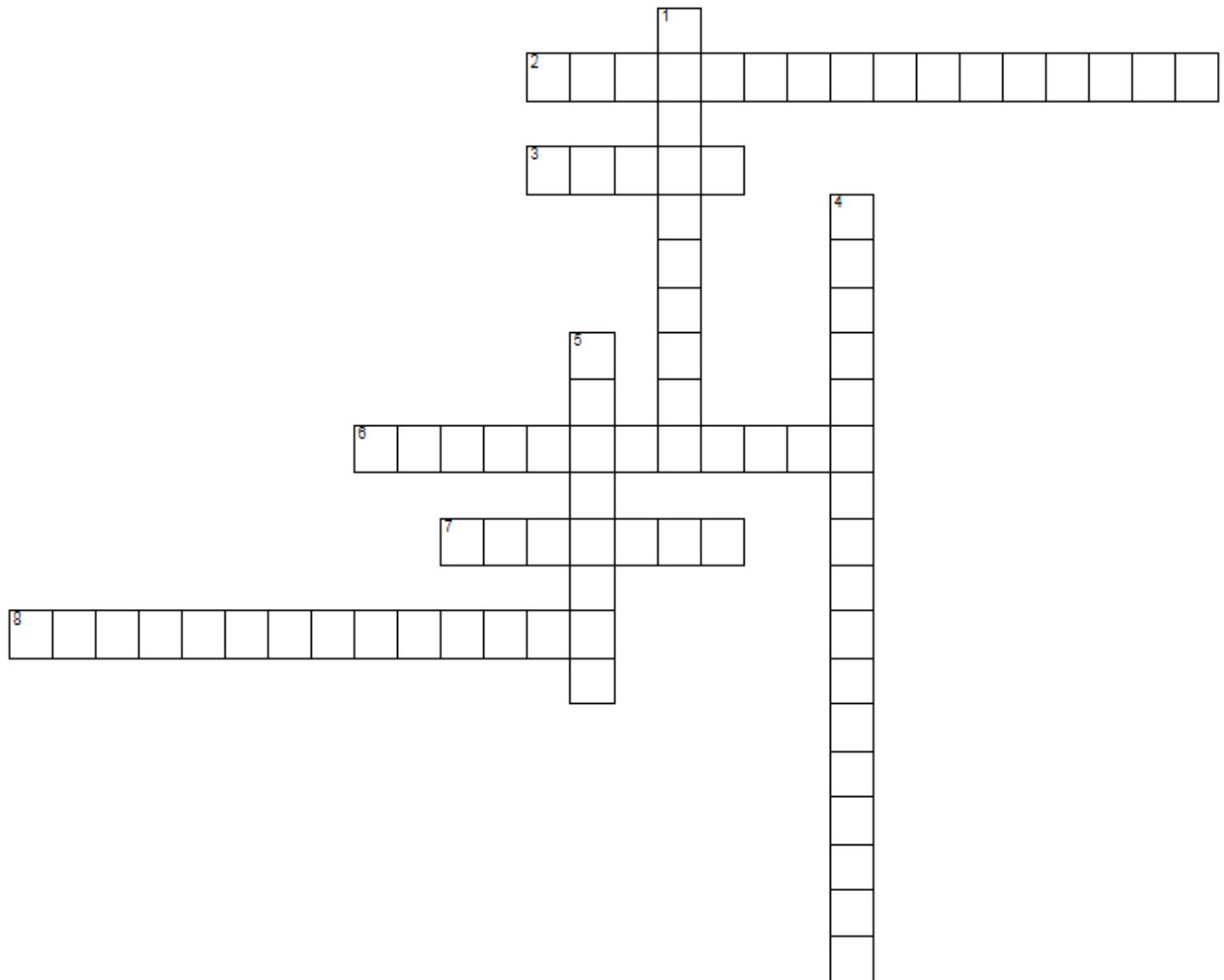
KB *GB* *bit* *MB* *byte* *TB*

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D. Fill in the crossword puzzle using the words given below :

[8 marks]

<i>Network drive</i>	<i>Storage devices</i>	<i>Memory card</i>	<i>Online file storage</i>
<i>Cdrom</i>	<i>External hard disk</i>	<i>Windows</i>	<i>Hard disk</i>



Across:

- 2. These hard disks can be plugged into your computer via a USB cable.
- 3. Data stored on it cannot be changed or modified.
- 6. A shared space that is normally shared among several users over a network.
- 7. An operating system.
- 8. Hold items such as data, instructions, and information for retrieval and future use.

Down:

- 1. Used for storing digital data in many electronic devices such as digital cameras, and mobile phones.
- 4. It is an internet service specifically designed to store content, such as personal files or backups.
- 5. All computers are supplied with a one.

E. Write the name of each storage device using the words given below near each picture: [4 marks]

<i>Network drive</i>	<i>External Hard disk</i>	<i>Memory card</i>	<i>Internal Hard disk</i>
<i>DVD</i>	<i>Blu-Ray disc</i>	<i>Online File Storage</i>	<i>USB flash drive</i>

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F. Use the following words to complete the exercise:**[9 marks]**

<i>Network drive</i>	<i>External Hard disk</i>	<i>Memory card</i>	<i>Online File Storage</i>	<i>Internal Hard disk</i>
<i>DVD</i>	<i>Blu-Ray disc</i>	<i>CD</i>	<i>USB flash drive</i>	

- i. _____ – is a shared disk that is accessed by several computers connected to a network. It stores data files that are shared amongst several users.
- ii. _____ – is a portable device but this can store much more data than the CD. It has a storage capacity which range from 4.7GB to 17GB. Typically these disks are used for full-length movies, advanced multimedia games and interactive encyclopaedias.
- iii. _____ – is found inside the computer and contains all program folders and files. Can hold large amount of data.
- iv. _____ – is a portable device used to store data files. It has a storage capacity of 700MB.
- v. _____ - available through Internet to store data files. These can be easily accessed from any computer connected to Internet. Such storage is particularly useful to share data files with friends.
- vi. _____ - is a device used to store digital data. It can be used with digital cameras, smartphones etc.
- vii. _____ – Can hold large amount of data but it is portable and can be connected to the computer through the USB port.
- viii. _____ – this device was developed for recording and playing back high-definition (HD) video and for storing large amounts of data.

ix. _____ – this device is small and easy to carry around. It can store large amounts of data (up to 512GB) and can be connected to the computer through USB ports.

G. i) What is Malware?

_____[2]

ii) Mention the 4 types of Malware. [2]

1. _____	2. _____
3. _____	4. _____

iii) Mention 2 ways how viruses can be transmitted:

- _____ [1]
- _____ [1]

iv) How can you protect your computer from viruses?

_____[1]

Section 2 - The following section is about Online Essentials – Total Marks 59.

A. Underline the correct answer. [5 marks]

1. The term Internet stands for:
- a. International Networking.
 - b. Interval Netting.
 - c. Income Network.

2. Internet refers to:

- a. the world wide web only.
- b. the hardware and software that provides different communications services between computer networks.
- c. the chat rooms and web only.

3. Hyperlinks are:

- a. files linking pictures together.
- b. text or images available on Web pages which take you to another page or website.
- c. a list of items found in a website.

4. A web browser is:

- a. a program used to locate and display Web pages.
- b. a program used to write and send emails.
- c. a program used only to download from the internet.

5. A web server is:

- a. a computer connected to the Internet that makes Web pages available to other computers.
- b. a computer which deletes web pages.
- c. a system where people are served information over the websites.

B. List the names of two browsers.

[2 marks]

1. _____

2. _____

C. List the name of two search engines.

[2 marks]

1. _____

2. _____

D. List two ways how you can publish or share information online.

[2 marks]

1. _____

2. _____

E. What do the following stand for?

[6 marks]

1. URL stands for _____ Resource Locator.
2. FTP stands for _____ Transfer Protocol.
3. SMS stands for _____ Message Service.
4. IM stands for _____ Messaging.
5. VOIP stands for _____ Over Internet Protocol.
6. ISP stands for _____ Service Provider.

F. Which internet service can they use to solve their problems?

[4 marks]

- a. On a Sunday morning, Michela wants to transfer money from one account to the other. She can do this over the internet. This is called _____.
- b. Josef wants to study by distant learning. A university offered him this service. This is also called _____.
- c. Marya wants to buy a dress from a shop which is not found in Malta however they offer the service through their website. This is called _____.
- d. Mario pays his MATSEC examinations online. This is called _____.

**G. What is considered good practice when searching over the internet?
Underline the correct answer.**

[3 marks]

- i. The phrase to use in a search engine to search for webpages about *Italian Regions* is:
 - a) Italian Regions
 - b) "Italian Regions"
 - c) Italian - Regions
- ii. The phrase to use in a search engine to display a list of all Web pages containing the text *Italian language* and *not Italy* is:
 - a) "Italian language" AND NOT Italy
 - b) "Italian language" and not Italy
 - c) "Italian language" AND Italy

iii. The phrase to use in a search engine to display a list of documents *about cars with no mention of Italian cars*, is:

- a) No Italian Cars
- b) +cars-Italian
- c) Italian Cars

H. Match the number with the name of the following parts of a URL. [2 marks]

	File name
	Domain name

	Folders
	Service Protocol

http://www.skola.edu.mt/exams/form3/examination.html



I. Write the domain to match the meaning. [2 marks]

<i>com</i>	<i>net</i>	<i>org</i>	<i>gov</i>
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i		Non-profit making organisation (unions or charities).
ii		Government body or department.
iii		Networking organisation.
iv		Commercial organisation.




J. How to delete Temporary Internet files. Mark the steps by putting numbers. [2 marks]

1	Click on the <i>Tools</i> button.
	Click <i>Delete</i> .
	Click <i>Apply</i> and <i>OK</i> .
	Click on <i>Internet options</i> .
	Tick the <i>Delete browsing history</i> box.

K. Name the following commands.

[3 marks]

Command	Name
	
	
	

Command	Name
	
	
	

L. State whether the following statements about NETIQUETTE are true or false.

[5 marks]

Statement	T / F
i. Don't use short meaningful descriptions in the subject field of all your messages.	
ii. Messages should be concise and to the point.	
iii. Never type your messages in all uppercase letters unless every word is important.	
iv. Avoid overuse of acronyms in your messages.	
v. Ensure that your message is free of spelling and grammar errors before pressing the 'send' button.	

M. State where would you search if you need to make the following tasks.

[3 marks]

- a. Search information about Malta. **Web-based E**_____
- b. Translate from English to French. **Online T**_____
- c. Search for the meaning of a Word. **Online D**_____

N. Help Maria fill in the following Web-based form. She is going abroad with her family.

[4 marks]

The form has a top navigation bar with tabs: **Flights**, **Hotel**, **Car**, and **Need Help?**. Below this, there are two input fields: "Departure Airport, City or Country" and "Arrival Airport, City or Country", separated by a red "To" label. Below these are three radio buttons: ☒ **Return**, ☐ **One way**, and ☐ **Multi-city**. There are two date selection fields: "Outward" and "Return", each with a calendar icon. Below the "Outward" field is a checkbox labeled ☒ **Flexible Dates** and a button labeled **Enter coupon**. At the bottom, there are three dropdown menus for "Adults" (showing 1), "Children" (showing 0, with "(2-11 yrs)" below), and "Infants" (showing 0, with "(0-2yrs)" below). To the right of these is a large orange button labeled **Search Flights!** with a right arrow.

Numbered circles and arrows indicate the following points of interest:

- 1: Points to the "Departure Airport, City or Country" field.
- 2: Points to the "Arrival Airport, City or Country" field.
- 3: Points to the "Outward" date field.
- 4: Points to the "Adults" dropdown menu.
- 5: Points to the "Children" dropdown menu.
- 6: Points to the "Infants" dropdown menu.
- 7: Points to the "Search Flights!" button.
- 8: Points to the "Return" date field.

In which box do I write the following information? Write the number beside the statement.

- i. They will be leaving on 10th April 2014. _____
- ii. They will be leaving from Malta. _____
- iii. They have a 10 year old daughter. _____
- iv. She is going to travel with her husband. _____
- v. They have a 1 year old son. _____
- vi. They will be back on 17th April 2014. _____
- vii. Once she fills the forms she presses. _____
- viii. They are going to Paris. _____

O. List an advantage of sending a message by email.

[1 mark]

- _____

P. Fill in the diagram with the following data.

[2 marks]

The screenshot shows an email client window titled "Testing - Message (HTML)". The window has a ribbon menu with tabs: File, Message, Insert, Options, Format Text, and Review. The "Message" tab is active, showing fields for To, Cc, Bcc, and Subject. The "Insert" tab shows options for Attach File, Attach Item, and Signature. The "Format Text" tab shows options for Basic Text, Names, and Include. The "Review" tab shows options for Tags and Zoom. The email address "john.borg@skola.gov.mt" is visible in the bottom left corner.

- I want to send an email to: *mcaruana5@gmail.com*
- I want to send a copy to: *fbarbara@gmail.com*
- The subject is: *Meeting*
- Write the following message: *Hi, We will meet at 10 am. Regards, John.*






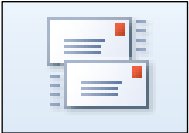



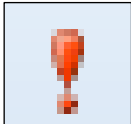
Q. Match the Term with its meaning:

[6 marks]

Term		Meaning	
1.	Encryption		is a special folder on the hard disk that stores Web pages accessed by your browser.
2.	FTP		confirms that the website is secure and genuine.
3.	Cookies		is the exclusive legal right that prohibits copying of intellectual property without permission of the holder.
4.	A digital certificate		are unsolicited emails.
5.	Cache		is the translation of data into a secret code so that if the information is hacked it would be unreadable.
6.	Phishing		refers to the transfer of data on the internet namely uploading and downloading.
7.	Spam		confirms the identity of the person sending the email.
8.	Pop Up		are text files that save information regarding particular websites and users. Their main purpose is to identify users and possibly prepare customised Web pages for them.
9.	A digital signature		asks you to enter details at a fake website whose look and feel are almost identical to the legitimate one.
10.	Firewall		is a system designed to prevent unauthorised access to your computer system when connected to Internet.
11.	Data Protection Legislation		is a small web browser window that appears on top of the website you are viewing.
12.	Copyright		attempts to make provision for the protection of individuals against the violation of their privacy and personal integrity by the processing of personal data.

R. Which command do I use?

[5 marks]

Command	
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

No.	Description
	Sending the message to a different recipient (not the sender)
	Check your mail
	Needs a reply from the recipient
	Making an appointment
	Attach pictures to the message
	Giving importance to the message
	Finding an address which was saved
	Sending a reply to the sender
	Create a contact group
	Asking for help