

KULLEĠĠ SAN BENEDITTU Secondary School - Kirkop

Mark

HALF-YEARLY EXAMINATION 2015-2016

Levels 5-8

FORM 3

ICT

Time: 1½ hrs

Section	A	B	Global Mark
Max. Mark	49	51	100
Mark			

DO NOT WRITE ABOVE THIS LINE

Name: _____

Class: _____

Section A: Computer Essentials

1. Fill in with appropriate words, using the words given below:

cameras	fast	video	modem	audio
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Computers have different input and output ports where cables connect peripherals to the computer.

USB (Universal Serial Bus) port is a slot in the computer that supports _____ transfer data rates. USB flash disks, digital cameras, mice, keyboards can be connected to the computer via the USB port.



HDMI (High-Definition Multimedia Interface) port is a slot on the computer that supports the transfer of _____ and _____ data through a single

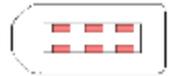


cable.

Network port is used to connect the computer to a network or a _____.



FireWire port is a slot that connects digital video _____ to the computer. FireWire supports faster transfer data rates than USB ports.



[5]

2. The following are types of Storage Media. Fill in the missing words.

- **Internal hard disk** is typically found _____ the computer. It contains all program folders and _____. Hard disks can hold very _____ amounts of data (200-320GB).
- **External hard disk** – is similar to an internal hard disk in function. External hard disks are portable _____ that connect to the computer via through the USB port.
- **Network drive** – is a _____ disk that is accessed by several computers connected to a network. A network drive stores data files that are shared amongst several users.
- **CD (Compact Disc)** – is a portable device used to store data files. CD-RW disks can be _____ and written to over and over again. CD-RW disks have storage capacities up to 700MB.
- **DVD (Digital Versatile Disk)** – disk is similar to CD-RW but this can store much _____ data than the CD. DVDs have storage capacities which range from 4.7GB to 17GB. Typically these disks are used for full-length _____, advanced multimedia games and interactive encyclopaedias.
- **Blu-Ray Disc** – is similar to CD and DVD. Blu-ray discs were developed for recording and playing back _____ (HD) video and for storing large amounts of data. Blu-ray disc can hold up to 25 GB of data. Dual-layer Blu-

ray discs will be able to store _____ GB of data. That is equivalent to 4 hours of HDTV.

- **USB flash drive** – consists of a small printed circuit board protected inside a plastic, metal or rubber case. The USB connector is often protected by a removable cap. USB flash drives are _____ and easy to carry around. They can store large amounts of _____ (up to 256GB). USB flash drives connect to the computer through USB ports.



- **Memory card** - is a compact disk used to store digital data. Memory cards are typically used with digital _____ and _____.



[14]

3. Arrange the following storage capacity measurements in Descending order (from largest to smallest).

KB GB bit MB byte TB

--	--	--	--	--	--

[3]

4. What do the following stand for?

<i>Ex.</i>	DVD	Digital Versatile Disk
A.	CD	
B.	LAN	
C.	HDMI	

D.	VOIP	
E.	SMS	

[5]

5. List 5 factors which may affect the speed of a computer.

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____

[5]

6. Continue the following sentences about Internet Activities.

E-Commerce is



E-Banking is _____

E-Learning is

E-Mail is

E-Government is

[10]

7. Answer the following questions:

a) What is a Blu-Ray disk?

b) What are USB flash disks used for?

c) Where do we use Memory Cards?

d) What is data backup?

e) What is Online file storage?

[5]

8. a) **Malware** is a program designed to secretly enter and damage a computer system.

Match the different Malware with the description by drawing arrows.



Computer Viruses	are secretly place destructive instructions in the middle of a computer program. Once the program is run, they become active. They do not replicate themselves.
Trojan horses	make copies of themselves, but they need not attach to particular files or sectors at all. These slow down computer systems.
Spyware	are programs that secretly installs themselves on computers and collects information about users without their knowledge.
Worms	are programs designed and written to make additional copies and spread from location to location, without the user permission.

[2]

b) Mention two ways how viruses can be transmitted:

- i) _____
- ii) _____

[2]

Section B - The following section is about Online Essentials.

9. a) Match the number with the name of the following parts of a URL.

	File name
	Domain name

	Folders
	Service Protocol

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



b) Write the domain to match the meaning.

com	edu/ac	net	org	gov
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i		Non-profit making organisation (unions or charities).
ii		Government body or department.
iii		Networking organisation.
iv		Commercial organisation.
v		Educational institution.

[7]

10. This question is about Internet Activities. Fill in the missing words by writing the correct Uses of Internet.

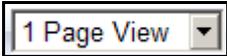
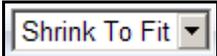
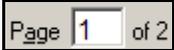
Communication	Information Searching	Entertainment	blog
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- a) _____ – Many people use the World Wide Web to search for information by inputting keywords in a search engine.
- b) A _____ is a type of website usually maintained by an individual with regular entries of commentary, descriptions of events, or other material such as graphics or video. The latest entry is always displayed at the top of the Web page.
- c) _____ – Many people listen to radio and follow streaming of television programmes on the Internet. A lot of youngsters and adults play online games.
- d) _____ – Many people use the Internet for communication purposes including E-mail, IM and VoIP.

[2]

11. When printing a Web page, MS Internet Explorer formats content according to the size of the printed page. The Print command rearranges the page layout to fit in the paper. Match the **Option and Button** with the **To do this** on the right hand side by inserting the correct letter of the alphabet.

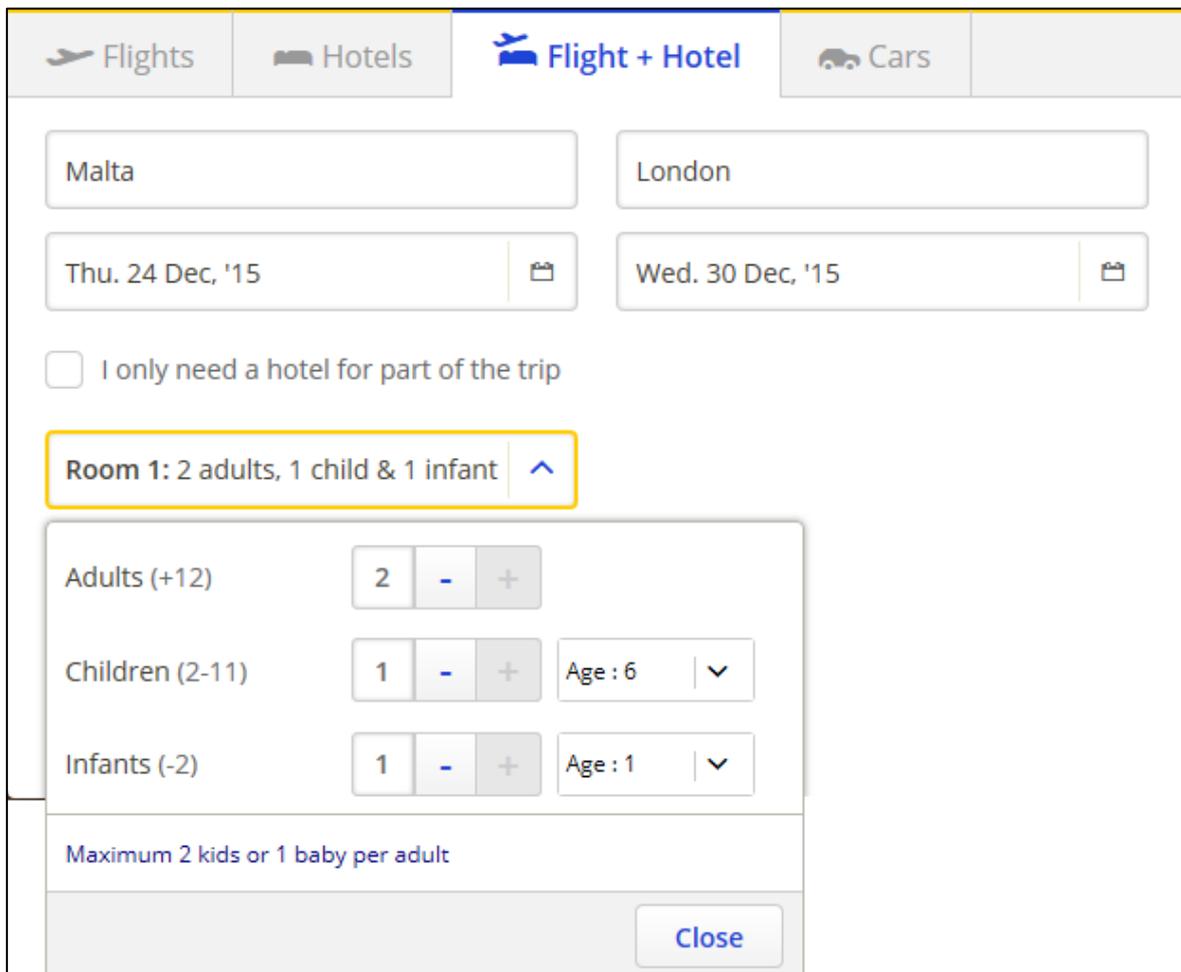
	Option	Button		To do this
A	Print			Print the page horizontally.

	Option	Button		To do this
B	Portrait			Set printing options and print the page.
C	Landscape			Print the page vertically
D	Page Setup			Zoom the webpage to the width of the preview screen.
E	Turn headers or footers on or off			Zoom the webpage to show the full webpage in the preview screen.
F	View full width			Change paper size, orientation, or margins, and add headers or footers.
G	View full page			Decide whether to print additional information at the top or bottom of the page.
H	Show multiple pages			Type the number of the page you want displayed.
I	Change Print Size			Display the first page to be printed.
J	Page number			View multiple pages on the preview screen
K	First page			Stretch or shrink the page size

	Option	Button		To do this
				to fill the printed page.
L	Previous page			Display the last page to be printed.
M	Next			Display the previous page to be printed.
N	Last Page			Display the next page to be printed.

[7]

12. Sonia is going abroad with her family. She is booking the flight and hotel online using a Web-based form.



Flights Hotels **Flight + Hotel** Cars

Malta London

Thu. 24 Dec, '15 Wed. 30 Dec, '15

I only need a hotel for part of the trip

Room 1: 2 adults, 1 child & 1 infant

Adults (+12) 2 - +

Children (2-11) 1 - + Age : 6

Infants (-2) 1 - + Age : 1

Maximum 2 kids or 1 baby per adult

Close

Look carefully at the web-based form and fill in the missing words below.

- i. They will be leaving on _____
- ii. They will be arriving back on _____
- iii. They have a _____ year old child.
- iv. They have a _____ year old infant.
- v. Is she going to travel with her husband? _____
- vi. They are going to _____.
- vii. They are travelling from _____.
- viii. Sonia can book also the _____.

[4]

13. Fill in the missing words using the following the terms.

username	https:	browser	authority	public	secure
translate	http:	code	monetary	private	internet
protect	password	padlock	supervise	genuine	

a) Encryption is the translation of data into a secret _____.

A secret key or password is necessary to _____ the secret code back to readable data.

Encryption is used to _____ confidential data when it is being transmitted over the _____.

b) Public-key encryption is one type of computer encryption system.

This uses a _____ key known to everyone and a _____ or secret key known only to the recipient of the message.

c) A secure Web site displays its content if the user types in a _____ and a _____.

The URL of a secure website starts with “_____//” not “_____//”.

The browser will also show the _____ symbol.

d) A secure Web site has a digital certificate confirming that it is _____ and _____.

Digital certificates are issued by a certificate _____.

Digital certificates are used by organisations involved in online _____ transactions.

Digital certificates can be viewed by double-clicking on the padlock icon in the Web _____.

e) Parents should _____ Internet use by their children and teenagers.

[8½]

14. Underline the correct answer.

i) The term Internet stands for:

- a. Interval Netting.
- b. International Networking.
- c. Ingoing Network.

ii) Internet refers:

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

- iii) Hyperlinks are:
- a. are files linking pictures together.
 - b. are text or images available on Web pages which take you to another page or website.
 - c. a list of items found in a website.
- iv) A web browser is:
- a. a program used to locate and display Web pages.
 - b. a program used to write and send emails.
 - c. software that is used to search information without downloading it.
- v) 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.

[2½]

15. How can you protect yourself online when dealing with secure sites?

Mention 1 way to protect yourself over the internet:

[1 mark]

16. Creating a folder in the favourites list. Write numbers so that the following steps in the correct order.

As your list of favourite pages grows, you can organise them by moving them into folders.

1. Click Close button	
2. Click New Folder button. A new folder icon is displayed in the list.	
3. Click Favourites button.	
4. Type a name for your folder e.g. ECDL Links .	
5. Click Organise favourites . The Organize Favourites dialog box is displayed.	
6. Click Add to favourites arrow. A drop-down menu is displayed.	
7. Press Enter key.	

[3½]

17. Fill in the missing words using the following terms.

Games	Internet forum	Chat rooms	Podcast
Microblog	Online computer	Photo sharing	

- a) _____ is a message board, discussion group, bulletin board or web forum which allows all members to make posts and start new topics.
- b) _____ can be played through the Internet or over a computer network.
- c) _____ to post very short entries, as a brief update or a photo, on a blog or social-media website:
- d) _____ a digital audio or video file or recording, usually part of a themed series, that can be downloaded from a website to

a media player or computer:

- e) _____ is publishing or transfer of a user's digital photos online, thus enabling the user to share them with others.
- f) _____ a branch of a computer network or a software application in which participants can engage in real-time discussions about a specific topic with one another.

[3 marks]

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

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.	

[2½]

19. Answer the following questions:

a) What is Phishing?

b) What is Spam?

c) What is a Bookmark?

d) What is a Blog?

[8]