Department Educational	ATE FOR QU for Curriculum Assessment U minations for	n Manage nit	ment and	NDARDS IN EDUCA eLearning Is 2011	ATION	TIME · 1h 30min
FORM 3	Info	rmation	& Comm	unication Technolog	y	TIME: 1h 30min
Name:					Class:	
1. This que	estion is about	Basic C	oncepts.			
a) Fill i	n the blanks w	ith the fo	llowing:			
	MB	bits	1024	1024 * 1024*1024	bit	]
i) ii)				 G	B.	
iii)	1024 KB are	e equival	ent to 1			÷

- iv) 1GB is equal to \_\_\_\_\_ bytes.
- v) \_\_\_\_\_ is short for Binary Number.

[3]

b) Match each phrase with its definition as in the example shown in bold.

	Phrase		Definition
А	RAM		is a portable storage device, which can be used instead of a floppy disk or a CD.
В	Memory card		uses Digital Optical Recording to store data. Its capacity varies between 4.7GB and 17GB.
C	Hard Disk		is volatile storage that holds the program and data that the CPU would be processing.
D	DVD	B	is a storage used to store digital data. They are typically used with digital cameras.
Е	USB flash drive		is the large storage area within a computer.

[2]

c) Software can be divided into two categories - system software and applic software. Use the following list of software to fill in the table below.

ware can be divided into two categories - system software and applic ware. Use the following list of software to fill in the table below.LinuxWord ProcessorDTPWeb BrowserUnixOS/2			Still	Hentes
2				pplit think
Web Browser Unix OS/2	Linux	Word Processor	DTP	COM
	Web Browser	Unix	OS/2	

System Software	Application Software

d) The table below shows four different applications of computers in four different sections. Write down another application for each section.

······································	[4]
<b>Applications in Health</b>	Applications within Government
<b>1.</b> Ambulance control system	1. Tax collection
2.	2.
Applications in Education	Applications in Business
<b>1</b> . Preparation of timetable	<b>1</b> . Insurance claims processing
2.	2.

e) ADSL is an example of a Broadband connection. Mention 3 other types of broadband connections.

A	B	
С	_	[3]

- f) Tick ( $\checkmark$ ) the correct answer from each question:
  - i) Kbps stand for Kilo bits per second Kilo bytes per second Kilo bits printer speed

I		]
I		]
I		1



	E	
<ul> <li>ii) A Dialup connection is</li> <li>An ISP that provides internet connection</li> <li>A form of Internet access that uses telephone lines</li> <li>A way of using fast dial up to call a friend</li> </ul>	den	ABOUNKY.COM
<ul><li>iii) When logging into a network, a user ID is needed because</li><li>The network can identify the user</li><li>It replaces the password</li><li>The user ID card must be shown</li></ul>		
<ul> <li>iv) A password should</li> <li>Include your name or surname</li> <li>Must be all small letters</li> <li>Ideally include letters, numbers and characters</li> </ul>		
<ul> <li>v) Good password policies include not sharing passwords, changing them regularly and adequate password length</li> <li>not changing the password so that you will not forget it</li> </ul>		
writing down the password and keep it near the computer so that you don't forget it		[5]

2. This question is about Using the Computer and Managing files.a) Match each file extension with its corresponding file type as in the example shown in bold. [5]

	File Extension
1	.rtf
2	.tmp
3	.jpg
4	.xls
5	.wav
6	.mdb
7	.doc
8	.exe
9	.avi
10	.zip
11	.txt

	File Type				
	MS Notepad - Text file				
	Compressed file				
	MS Video for Windows movie				
	Rich Text Format				
3	Picture				
	Executable file				
	Windows temporary file				
	Wave file (sound)				
	MS Word document				
	MS Access database file				
	MS Excel worksheet file				

b) Look carefully at the following screenshot and answer the questions with **(T)** true or **(F)** false.

-	of the file name:	^
mar*.xls	;	
A word or	phrase in the file:	
Look in:		
🎱 DVD-	RAM Drive (D:)	*
When w	as it modified?	۲
<ul> <li>Withir</li> <li>Past r</li> <li>Withir</li> </ul>	remember n the last week nonth n the past year <b>ify dates</b>	
	ied Date 🗸	
from	21/04/2011	
to	21/05/2011	
What siz	ze is it?	۲
<ul> <li>Small</li> <li>Medi</li> <li>Large</li> <li>Specil</li> </ul>	remember (less than 100 KB) <b>um (less than 1 MB)</b> (more than 1 MB) <sup>T</sup> y size (in KB) Ist V	~
	Back 5	earch

and a	nswer the questions with	Bour	INTRA-COM
i)	The file March.xls that is		3
	2MB large will be in the		
	search result		
ii)	The file Mary.xls that was		
	modified last January will not		
	be displayed		-
iii)	The file March10.xls stored		
	on the CD-Rom will be in the		
	search result		
iv)	All the files named March		
	will be listed in the search		
	result.		
<b>v</b> )	This search will only display		
	Excel files starting with the		
	letters mar.		

c) The file status can be set from the attributes section in the file properties. Write which of the following buttons should be pressed if :

Attributes:	Read-only	Hidden <u>H</u> idden	Archive
-------------	-----------	-----------------------	---------

- i) Mary is preparing a surprise party invitation for her parents' anniversary and she used a DTP to prepare the invitation on the family's home computer.
- ii) Karl prepared a presentation for the geography lesson and doesn't want his friends to change anything from his presentation.
- iii) Pat is choosing important files which she wants to back up for security reasons.

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			.470	
			17	8
d) Look at the window below and an	nswer the follow	ing questions:		°H3
Printers and Faxes				12
File Edit View Favorites Tools Help			A	· (0)
🔇 Back - 🕥 - 🎓 🔎 Search 🍋 Folders	•			
Address 🍓 Printers and Faxes			💌 🋃 Go	
Printer Tasks (*) Add a printer Set up faxing		S		
See Also     Image: See Also       Image: Troubleshoot printing     Image: Abc Series       Image: Get help with printing     Image: Abc Series	1E3F - Printer	Image Writer	A123 - BW Printer	

1	The name of the default printer is	
2	The name of the printer that is offline is	
3	When I need to install a new printer I need to press on	
4	The name of the network printer is	
	·	[4]

- e) File Compression is a desirable feature in a computer system.
  - Give 2 reasons why a user may want to compress a file or folder. i)

Write the name of a utility program that can be used to compress or ii) uncompress a file or folder.

# 3. This question is about Word Processing.

- a) Fill in the blanks:
  - i) To use special symbols in a word document such as  $\mathbb{O}$  and  $\mathbb{R}$ , you must click on

[3]

in	the	Menu	Bar	and	then	select	

- ii) To open the Hyphenation dialog box, you must click on \_\_\_\_\_\_ and then press on \_\_\_\_\_\_ and then press on \_\_\_\_\_\_.
- iii) To change the height of the rows in a table, you can first \_\_\_\_\_\_
  the table, click the \_\_\_\_\_\_ mouse button to open the menu, select Table Properties, and then click on \_\_\_\_\_\_.

[4]

b) Match the following Non-Printing characters to their equivalent type.

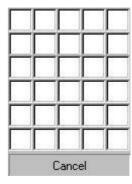
	Туре		Non-Printing Character
Α	Soft line break		· dot between words
В	Tab characters		¶
С	A space		لي
D	Paragraph mark		Page Break
Е	Manual line breaks		$\rightarrow$
		<b>L</b>	[5]

c) Marilyn is using the **Word Processing program** for her Geography homework. She wants to insert a **Table** to store information on the four Scandinavian countries shown below.

Country	Capital city	Population (million)
Sweden	Stockholm	9
Norway	Oslo	4.5
Denmark	Copenhagen	5
Finland	Helsinki	5

i) In the box on the right, draw the button from the ones shown below, that she must click to **create a table**.





ii) After clicking the button, the picture shown on the right appeared below the tables button. Shade the cells required to create the Table on countries shown above.

		Studente	
ii)	How many <b>rows</b> and <b>c</b>	olumns does the Country table have?	
	Rows:	_ Columns:	C
v)	After printing the table Explain what borders a	e, Marilyn noticed that it was <b>printed without borders</b> .	0
r)	The nicture below show	ws the <b>Tables and Borders</b> toolbar.	

Tables and Borders				• ×
	- 1/2 -	- 🥂 -	🔜 • 🖄 •   🔲 • 📖 📾   🚍 • 🖽 🖽   🚈   ♪   ≵↓ X	, Σ
Î A	Т В	1 C		
			DEFGH	

Write down the letters of the TWO buttons that she must click to **quickly draw** all the borders.

- vi) Before clicking the two buttons, what **must she do to the table**?
- vii) What is part A of the Borders toolbar used for?

### 4. This question is about spreadsheets.

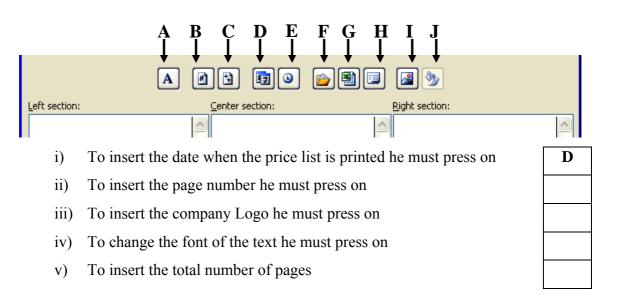
The following is a price list for a shop.

	А	В	С	D	E	F
1		1				
2		ABC	Computers	Price List		
3						
4	VAT	18%				
5						
6	Product Code	Selling Price excluding VAT	VAT	Selling Price	Expensive	
7	125C	154.25				
8	562B	12.25				
9	160P	36.52				
10	885C	44.55				
11						
12						
13						

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<ul> <li>i) Write the formula to be inserted in cell C7 using absolute the VAT:</li> <li>ii) What is absolute addressing and when is it used?</li> </ul>	ute addressing and wor
the VAT:	[2]
) What is <b>absolute addressing</b> and when is it used?	
	[2]
ii) What should you do to guidely income the formulas in	cells C8 to C10 without
m) what should you do to <b>quickly</b> insert the formulas in	
having to type the formula in each cell?	
having to type the formula in each cell?	[1]
having to type the formula in each cell?	[1] ative addressing and work
<ul> <li>having to type the formula in each cell?</li></ul>	[1] ative addressing and work [1]
<ul> <li>iv) Write the formula to be inserted in cell D7 using relation out the Selling Price.</li> <li>v) The shop owner would like to indicate if an item is Experimental experimental price.</li> </ul>	[1] ative addressing and work [1] xpensive or not. Insert a
<ul> <li>having to type the formula in each cell?</li></ul>	[1] ative addressing and work [1] xpensive or not. Insert a an 50 and print <b>NO</b> if
<ul> <li>having to type the formula in each cell?</li></ul>	[1] ative addressing and work [1] xpensive or not. Insert a an 50 and print NO if [2]
<ul> <li>having to type the formula in each cell?</li></ul>	[1] ative addressing and work [1] xpensive or not. Insert a an 50 and print NO if [2]

b) The shop owner would like to insert a header in his spreadsheet. Consider the header window below and write the corresponding letters. [4]



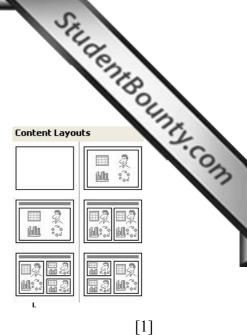
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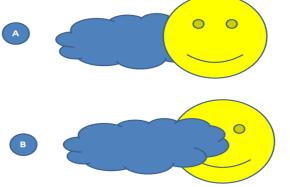
## 5. This question is about PowerPoint Presentations.

a) i) Jason is using *power point* and would like to insert a new slide with a title and a table. Draw clearly the layout that Jason should click on.

- ii) In another slide Jason drew the following picture (A), but he would like to draw the sun behind the clouds (like in picture B). What feature must he use to do this, and what steps must he take in order to accomplish this task?
- iii) Jason would like to change the colour of the cloud and also the outline of the sun.List the steps he must take in order to accomplish this task.







[2]

[ ook (	carefully at the images below and draw t	the button you would press to: $\equiv \equiv   \equiv \equiv   =   A^* A^*   \equiv \equiv   A^* A^*   =   A^*   =   A^*   =   A^*   A^*   =   A^*   =   A^*   A^*   A^*   =   A^*   A^*   =   A^$
ial		
i <u>r</u> aw ▼	💫 🗛 AutoShapes 🔹 🔪 🔪 🖂 🔿	
i)	Group a number of objects together.	
ii)	Apply a shadow to a name.	
iii)	Draw the cloud in question a above.	
iv)	Change the font.	
v)	Insert a <b>text box</b> .	
		[5]

### 6. This question is about Information and Communication.

a) Mark the following with a **T** (True) or and **F** (False)

- i) Encryption is used in web sites which contain online games.
- ii) **Digital certificates** are used by organisations involved in online monetary transactions.
- A web site that starts with "https" is a site that is used to steal iii) information.
- Once you install an **antivirus** on your computer, you can be sure that iv) no virus will ever enter your computer.
- A web site with a lock symbol is a site that can only be accessed with v) a valid username and password.

[5]

b) Malware (malicious software) is a program designed to secretly enter and damage computer system. Malware includes: *Viruses, Worms, Trojan horses* and *Spyware*. Mention 2 characteristics of each one of them.

Viruses	i)
	ii)
Worms	i)
	ii)
Trojan horses	i)
	ii)
Spyware	i)
	ii)

[8]

c) Match each phrase with its definition.

Α	firewall	a small web browser window that appears on top of the website you are viewing.
В	Cache	is an Internet service that enables you to communicate with someone else using your voice.
С	VoIP	a special folder on the hard disk that stores Web pages accessed by your browser.
D	pop-up	a text files that save information regarding particular websites. They may save information, shopping cart contents, or user preferences.
Е	Cookie	a system designed to prevent unauthorised access to your computer system when connected to the Internet.

[5]