STANBIL THE STANBILLES

İSTANBUL TECHNICAL UNIVERSITY

Department of Computer Engineering

BLG103E – Introduction to Information Systems – Fall 2013

Quiz 1 Question & Answer Sheet

Duration: 20 minutes

Rules: - Not open-book. No extra notes or papers are allowed.

- Cellphones must be put away. Calculators are not allowed.
- Questions are fill-in-the-blank and multiple choice.

Olly.
1

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When designing a poster for his signal processing confercosine signal. He is probably going to use the	rence, Berk wants to include text shaped as a capability of Inkscape.
2	
Sketch the output table of the following latex code. Ensucarefully. \begin{tabular}{ l r c } \hline	re that you illustrate different alignments
12 & 2 & 3 \\ \hline 4 & 54 & 6 \\	
<pre>7 & 8 & 19 \\ \hline \end{tabular}</pre>	

3

Which of the following are character encodings:

- A: ASCII & UTF-8.
- B: Arial & Times New Roman.
- C: 24bit and 8bit.
- D: PNG and JPG.
- E: English and Turkish.

Circle one letter.

An uncompressed 8-bit 320x320 grayscale in	nage can have	different colours in	
different pixels, and should take up	bytes of disk space.		

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5	DCD -	valvaa fa	41a a . Ca	.11	1	(41a o 4
Write approximate 1 Yellow:				•		Ì
				255		
Blue:						
Magenta (purple):						
Black:	R:_		_ G:_		В:	
6						
I have an image from	m a nh	ntogran	h of my	welf and	a frien	d Lw
_	-		_			
 Name one g 	ood so	ftware f	or doin	g this:		
 Name a good 	d form	at for sa	ving th	nis while	editing	:
 Name a good 	d form	at to use	to sen	d it to m	y frienc	ds by e
_						
7						
What are the basic u	units ir	ı a vecto	r imag	e?		
A: Pixels						
B: Colours						
C: Shapes &	z curve	ės				
D: Images						
Circle one letter.						
8						
What are the basic u	anits ir	ı a raster	· image) :		
A: Pixels						
B: Shapes &						

C: Colours

D: Images

Circle one letter.

9

In an LibreOffice Calc spreadsheet, the following is entered:

	A
1	1
2	1
3	=SUM(A1:A2)
4	
5	

The user then **copies** the contents of cell A3 to cells A4 and A5. Please fill in the resulting displayed contents of cells A3, A4 and A5:

	A
1	1
2	1
3	
4	
5	

1.

10

In **1-3 words**, note 3 things wrong with this slide:

·			

First of all insert a Microsoft CD into your toaster, then press the Start button. When you see the login prompt, accept all license conditions then eat your toast. Start your editing by inserting a glorious background, preferably dark so that it makes you look like a 133t hacksaw. Then get some cool pictures from the internet and then if Microsoft does not do it for you, decrease the font size so you can fit more marvellous ideas into your slide. Try to look professional by using excruciatingly magnanimous words, but try not to use them wrong. Nobody spell-checks these days though, so don't worry doout that. Finish off by surveying your marvellous ideas, then add some more in smaller font if you've got marvellous ideas, then add some more in smaller font if you've got in the white they're shout ing at you to go off the stage maybe you can also talk about something at you to go off the stage maybe you can also talk about something of hor people care bout. Actually, at his point it maybe good to write somethin gobod your legal options with respect to threspess. It is perfectly legal to do legal things if you pretend not to how that they're legal. When converded by picke it is sametimes good to shot something about the coretitution but try not to get triked into saying which bit of the constitution you mean.

11

To add a page count to every slide in a slide show with a few clicks one should open up:

12

Wikipedia says "In the computer science field of artificial intelligence, a genetic algorithm (GA) is a search heuristic that mimics the process of natural selection."

Which of the following statements avoid plagiarism?

Statement	Plagiarism	Not Plagiarism
Genetic algorithms are search heuristics that copy the process of natural selection.		
According to Wikipedia, a Genetic Algorithm is a search heuristic that mimics the process of natural selection.		
Wikipedia says that a Genetic Algorithm is a "search heuristic that mimics the process of natural selection".		
Genetic algorithms are search algorithms, based on the philosophy of natural selection, that use population-based random search.		

13

In LibreOffice Writer, in order to ensure that figure numbers are referred to correctly in the text, it is necessary to:

- A: Use styles and headings.
- B: Update the numbers manually (WYSIWYG).
- C: Use latex instead.
- D: Use captions and cross-references.
- E: Write a macro (program) to do it.

Circle one letter.

14

The following bit string represents a 3x3 1-bit image. Please draw the image.

101000101

