W265)105C, W265B/105C, W265C/105C



DUBLIN INSTITUTE OF TECHNOLOGY

DT265/1 Higher Diploma in Computing DT265B Masters Qualifier for MSc in Computing DT265C Masters Qualifier for MSc in Computing

WINTER EXAMINATIONS 2015/2016

WEB & USER INTERFACE DESIGN [CMPU4063] [DT265, DT265B, DT265C]

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Wednesday 13th January

1.00 P.M. - 3.00 P.M.

Two Hours

INSTRUCTIONS TO CANDIDATES

Answer question (1) and any two of questions (2), (3), (4)

Question (1) is worth 40 marks. Questions (2), (3), (4) are worth 30 marks each

(a)	What problems would a HTML validator pick up in the following code? html <head> <title my="" page="" web=""> link href="cssFile.css" type="text/css" > </head> <body> Hello World
</body> </body></th><th>arks)</th></tr><tr><th>(b)</th><th>What is a CSS (Cascading Style Sheet) stylesheet and what is it made up of? Use examples to support your answer. (6 mag)</th><th>e
arks)</th></tr><tr><td>(c)</td><td>Outline <u>two</u> features of CSS3. Use examples of code to support your answer. (6 m.</td><td>arks)</td></tr><tr><th>(d)</th><th>Name three advantages that layers have over tables. (6 m.</th><th>arks)</th></tr><tr><td>(e)</td><td>Describe the <i>humanist</i> learning theory, using examples to support your answer. (8 m</td><td>arks)</td></tr><tr><td>(f)</td><td>Provide <u>three</u> methods of implementing a humanist theory in an interface. (6 m</td><td>arks)</td></tr></tbody></table></title></head>
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2.	(a)	i.	In terms of CSS (Cascading Style Sheets), what is the meaning of the	
			Model?	(3 marks)
		ii.	Describe how the main properties of the Box Model can be manip alter page layout. Use HTML/CSS code to support your answer.	ulated to (15 marks)
	(b)		riscuss how the display property can help with page layout. Use code apport your answer.	e to
				(12 marks)
				35
3.	(a)	De	escribe the <u>six</u> Gestalt Laws of Perception.	(12 marks)
	(b)	Di	iscuss how each of these laws are relevant to interface design?	(6 marks)
	(c)	Di	iscuss the use of grids in web design.	(3 marks)
	(d)	De	escribe two grid principles that can be used in web design.	(6 marks)
	(e)	W	That is the meaning of the term, search engine optimisation (SEO)?	(3 marks)

4.	(a)		entify <u>four</u> different uses of the <i>meta tag</i> . Provide code and describ	e what the
		code is doing.		(12 marks)
	(b)	i.	What is a media query?	(4 marks)
		ii.	What are the <i>components</i> of a media query?	(4 marks)
		iii.	Provide some CSS code to illustrate how a media query works.	(6 marks)
	(c)	W	That is a wireframe and what is its purpose in interface design?	(4 marks)