## **KASNEB**

## **CICT PART II SECTION 4**

## WEB DESIGN AND e-COMMERCE

Time Allowed: 3 hours.

FRIDAY: 27 May 2016.

Ansv	ver AL	L questions. Marks allocated to each question are shown at the end of the quest	ion.		
QUE (a)	STIO! Hype	N ONE or Text Markup Language (HTML) has steadily grown from HTML+, HTML2, HT	ML4 to the current HTML5.		
	Desc	ribe four structural components that have been introduced into HTML 5.	(8 marks)		
(b)	ln the	e context of web design, explain the following terms:			
	(i)	Graphics Interchange Format (GIF).	(2 marks)		
	(ii)	Joint Photographic Expert Group (JPEG).	(2 marks)		
	(iii)	Portable Network Graphics (PNG).	(2 marks)		
(c)	Usin	g an appropriate example, discuss three standard JavaScript pop-up boxes.	(2 marks) (2 marks) (6 marks) (Total: 20 marks)		
QUE (a)	STION TWO  Creating dynamic websites inevitably includes the use of one or more plag-ins.				
	With	reference to the above statement,			
	(i)	Explain the meaning of the term "plug-in".	(2 marks)		
	(ii)	List two common browser plug-ins.	(2 marks)		
(b)	Analy	reference to the above statement,  Explain the meaning of the term "plug-in".  List two common browser plug-ins.	(8 marks)		
(c)	You are required to insert a flash movie into a website you are designing.				
	Required:				
	(i)	Explain how, from the flash program, you would prepare the flash movie for emb	pedding into your website. (4 marks)		
	(ii)	Write HTML code combed the flash movie into your website.	(4 marks) (Total: 20 marks)		
QUE (a)	STIO! Desc	N THREE ribe the following terms in the context of the development of HTML.			
	(i)	Semantic HTML.	(2 marks)		
	(ii)	DOCTYPE.	(2 marks)		
(b)	Using objec	g an HTML code snippet in each case, contrast between HTML tags that would ts:	d be used to link the following		
	(i)	Image.	(2 marks)		
	(ii)	Website.	(2 marks)		
	(iii)	e-mail.	(2 marks)		
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(c)	Differentiate between " <div>" and "<frame/>" tags as used in HTML during website developme</div>	nt. (4 marks)
(d)	Distinguish between web page authoring tools and HTML editors.	(4 marks)
(e)	Explain the reason why hyperlinks or images might not display correctly on loading a website.	(2 marks) (Total: 20 marks)
QUI (a)	(i) One of the current issues with respect to e-commerce is "security risks". Despite this being are still reluctant to implement stronger security infrastructures.	ng the case, most people
	Suggest two reasons for this reluctance.	(2 marks)
	(ii) Discuss why e-commerce servers tend to be at a higher echelon with regard to risk and su	bsequent attacks. (4 marks)
(b)	Describe the following types of animations:	
	(i) 2-D animations.	(2 marks)
	(ii) 3-D animations.	(2 marks)
(c)	Highlight four features of e-commerce.	(4 marks)
(d)	Write HTML code to create the form below:	
QUE (a)	Highlight four features of e-commerce.  Write HTML code to create the form below:  Personal Information:  First name:  Mickey  Last name:  Mouse  Submit  Submit  Submit  Service (PAAS) has emerged from a confluence of two trends; the suboptimal natuservice (IAAS) for cloud computing and the evolution of web applications.	(6 marks) (Total: 20 marks)
	Required:  (i) In relation to developing a website, outline six functions of Platform as a Service (PAAS)	. (6 marks)
	(ii) Distinguish between cloud computing and service oriented architecture (SOA).	(4 marks)
(b)	Using the cascading style sheets (CSS) float property, write HTML code that would make an im to the left of text.	age float to the right or (6 marks)
(c)	Write HTML code that would render the list shown below:	
	Simple Ordered List Choice of Beverage for Breakfast: 1. Coffee 2. Tea 3. Milk	
		(4 marks) (Total: 20 marks)
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