KASNEB

DICT LEVEL III

PRINCIPLES OF WEB DEVELOPMENT

T Pro						inasomonsindi.com
			KAS	NEB		20m3
			DICT LE	VEL III		2501
			PRINCIPLES OF WE	B DEVELOPMENT	, si	'ill'
TUESD	AY: 22 N	lovember 2016.			Time Allowed	I: 3 hours.
Answer	ALL que	stions. Marks allo	ocated to each question ar	e shown at the end of t	he question.	
QUEST (a)	(ii)	Highlight three cha With the aid of HT	racteristics of HTML elent TML code, show how you on width and height response.	would insert an image	named "picha.jpg" whose	(3 marks) dimensions (2 marks)
(b)	Describe	the following HTM	AL attributes:			
	(ii) (iii) (iv)	alt. disabled. href. id. style.				(1 mark) (1 mark) (1 mark) (1 mark) (1 mark)
(c)	Outline th	nree steps one should	d follow when setting image	properties using propert	y inspector in dreamweaver.	(3 marks)
(d)	(1) DC<br (2 <html (3) <heac (4) <title (5) <bod (6) <h1> (7) <</h1></bod </title </heac </html 	OCTYPE html> > > > >Page Title y> My First Heading My first paragraph. </body				
	(ii)	State the importanc			nd its respective closing tag (Total:	(1 mark) in each of (6 marks) 20 marks)
	ION TW		· 6			(2 1)
(a)	 (i) Describe a JavaScript function. (2 marks) (ii) The computer interface "Toggle My Pictures" shown below displays a photo named "FirstPhoto.jpg" when the "First Photo" button is clicked. On clicking the "Second Photo" button, a photo named "SecondPhoto.jpg" is instead displayed. 					
	Toggle my pictures					
			Photo area			
		First photo		Second photo		

Required:

Write a JavaScript code that would implement the above interface behaviour.

(10 marks)

TD31 Page 1 Out of 3

(b)	Differe	ntiate between each of the following pairs of HTML tags:	ome		
	(i) (ii) (iii)	" " and " ". " <pre> </pre> " and " ". " " and " <hr/> ".	(2 marks) (2 marks) (2 marks)		
(c)	Write H	ITML code to generate the following:	7,		
	AppOrar				
			(2 marks) (Total: 20 marks)		
QUES (a)	TION TH Outline	IREE three characteristics of JavaScript that make it suitable for client-side scripting.	(3 marks)		
(b)	You have been requested to write a program to compute the area of a right-angled triangle. The interface for this program is shown in the figure below.				
		Area of a right-angled triangle			
		Height			
		Base			
		Answer			
		Add			
		7100			
	Require (i)	ed: Write HTML code that will create the above interface.			
		Ensure that the HTML code calls a function called "calcsum ()" that computes the	area of the triangle. (10 marks)		
	(ii)	Write the function calcsum () that retrieves values from the HTML interface in (b) the area of a triangle.	(i) above and calculates		
		Note: Area of triangle = $\frac{1}{2}$ x base x height			
			(5 marks)		
(c)	List two	open source web servers.	(2 marks) (Total: 20 marks)		
QUES (a)	TION FO Analyse	PUR e five considerations that should be taken into account when designing a website.	(5 marks)		
(b)	Describ	e the following graphic file formats:			
	(i) (ii) (iii)	GIF. JPEG. PNG.	(3 marks) (3 marks)		
(c)	Enumer	ate the steps that one would follow to create a shape tween using flash animation.	(6 marks) (Total: 20 marks)		
			TD31 Page 2 Out of 3		

QUESTION FIVE

(a) Differentiate between "layers" and "animations" in the context of web design.

(4 marks)

(ii) Describe three types of animations.

(6 marks)

(b) Write HTML code to render the table below when run on a browser.

NAME	GENDER	AGE	←	— Header
Mandella	Male	80		
Halima	Female	32		
Katimba	Female	26		

Note: The first row is the header row.

,	6	marks	
•	U	marks	

(c)	Suggest four reasons why multimedia web sites are not practical for a majority of Internet users.	(4 marks
		(Total: 20 marks