

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Higher National Diploma in Information Technology First Year, First Semester Examination – 2023 HNDIT 1022-Web Design

Answer any (5) questions. No. of page		lo. of questions: 06 lo. of pages: 04 lime: Three (03) hours
Q1.		
1) 2) 3) 4)	List two main purposes of using the internet in daily life.	PS, Router, ISP, Cloud oted data transfer. networks. lled a
Q2. 1) 2) 3)	What does HTML stand for? Name <u>four</u> main structural elements in an HTML document. Write the HTML code to create the following <i>list</i> of favorite materials.	
	Hint: You may find the following information helpful for you Movies - H1 Favorites - H2 Inception, Interstellar, The Matrix – default Size	

· Movies hi

• Favorites h

- A. Inception
- B. Intersteller
- C. The Matrix
- 4) Fill in the blanks in the following spaces by applying your HTML knowledge. [08 Marks]

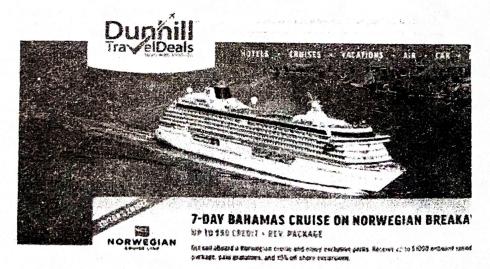
 a. The tag for adding a hyperlink is < (**) >.

 - b. An image can be embedded using the < \mg > tag.
 - c. The href attribute is used to specify the URL for an <a> tag.
 - d. HTML documents typically start with <! DOCTYPE _ hbm \ >.

[Total 20 Marks]

Q3.

1)	Define a wireframe in web design.	[02 Marks]
2)	Why are wireframes essential in the design process?	[04 Marks]
3)	List three common elements included in a wireframe.	[06 Marks]
4)	Sketch the wireframe design for the given web page.	[08 Marks]



EXPLORE THE CRUISE



[Total 20 Marks]

1)	What i	[02 Marks]	
2)	List ar	[04 Marks]	
3)	Write	[06 Marks]	
4)	Fill in	To specify font style as italic, the fore-parties used. is used to set the background image for an element.	[08 Marks]
	a.	To specify font style as italic, the font property is used.	
	c.	To align text to the center, the work-wing property is used.	
	d.	The property to specify border color is border Color	

[Total 20 Marks]

Q5.

```
    List two common uses of JavaScript in web development.? [02 Marks]
    Name two rules for defining variables in JavaScript. [04 Marks]
    What is the output of the following JavaScript code snippet? [06 Marks]
```

```
<script type="text/javascript"> // Define the grade variable
var course = 'HNDA';
document.write("Entering switch block<br />");
switch (course) {
case 'HNDIT': document.write("Higher National Diploma in Information Technology<br
/>");
break;
case 'HNDA': document.write("Higher National Diploma in Accountancy<br />");
case 'HNDTHM': document.write("Higher National Diploma in Tourism and Hospitality
Management <br />");
case 'HNDM': document.write("Higher National Diploma in Management<br />");
break;
case 'HNDE': document.write("Higher National Diploma in English<br />");
break;
default: document.write("Unknown course<br />");
document.write("Exiting switch block");
</script>
```

4) a. Write the required HTML code to display the following form.

[04 Marks]

Billing Form	
Unit Price :	
Quantity:	
Discount Percentage :	
Display Bill : Your Bill	
Calculate Bill	

b. Write a JavaScript function to calculate the bill and display it in the appropriate text box. [04 Marks]

Hint: When you click the Calculate Bill button, the bill will be displayed in the text box.

(Bill= Unit Price* Quantity - (Unit Price* Quantity*Discount Percentage*1 / 100)

[Total 20 Marks]

Q6.

1)	Define	web hosting.		[02 Marks]	
,	2) List two reasons why web hosting service providers offer uptime guarantees.				
3)	3) What are the three types of web hosting plans? Briefly describe each.				
4)	4) Fill in the blanks related to web hosting features: [08 Mark				
,	a.		is a control panel for managing hosting services.		
	b.		provides security for the website.		
	c.		is the amount of data transferred between a website	and its	
		users.			
d ensures that a website's data is saved regularly to pro-				revent data	
		loss.			

[Total 20 Marks]