## 1136

THE OPEN UNIVERSITY OF SRI LANKA DEPARTMENT OF COMPUTER SCIENCE B.Sc. IT DEGREE PROGRAMME: LEVEL 05 NO BOOK TEST 1 - 2023/2024

NO BOOK TEST 1 - 2023/2024 ITU5308 – WEB TECHNOLOGY

**DURATION:** One hour



Reg. No:....

Time: 9.00am – 10.00am

# Answer All Questions

Date: 15/09/2024-

	Question	Write the most appropriate Answer
1. What is the physical n	ne main technique used to solve the problem of connecting separate networks?	
a.	Network Switching	
	Packet Switching	
	Circuit Switching	
d.	Frame Relay	
2. Which sys Wide Wel	stem was an early information retrieval system used before the World	
a.	Gopher	
	Mosaic	
c.	ARPANET	
d.	HTML	
	key advantage of the client-server model?	
	Decentralized resources	
	Improved security and centralized resources	
c.	Reduced costs	
d.	Simplified client-side administration	
4 What is th	e primary purpose of HTML tags?.	
	To format text	
b.	To create animations	
c.	To describe the content of a web page	
	To add color to web pages	
5. How are H	ITML comments inserted in the code?.	
	This is a comment	
	/* This is a comment */	
	// This is a comment	
	** This is a comment **	

o. which fill will tag is used to define a table header		
a.		
b.		
c. <header></header>		
d.		
u.\ui>		
,	and the first of the second of	
7 W1.:-1 -641 - 6-11: -:	- C41 - TITTD 10 41 -	T l
7. Which of the following is a correct characteristic of	of the HTTP protocol? the	
incorrect statement about PHP?		
a. HTTP is a stateful protocol		
b. HTTP allows data to be sent in binary fo	ormat only	
c. HTTP connections are maintained between		
interactions		
•	ash manuart is independent of	
d. HTTP is a stateless protocol, meaning ea	ach request is independent of	:
others .		
8. Which port is commonly used by HTTP for web	communication?	
a. 21		
b. 25		
c. 80		
d. 443		
9. What is a characteristic of a "rich client"?		
7. What is a characteristic of a Heli chefit !		·
a. Requires a constant internet connection		
b. Has minimal processing capabilities		
c. Provides a sophisticated graphical user interfac	e and can perform server-side	
processing		,
d. Uses plain HTML without interactive features		
	organistical in the second	·
10. Which of the following is a best practice for c	olor schemes in web design?	
To. Willow of the following is a best practice for e	otor sonomes in wee design.	
a I Tains doubt tast on doubt be - i	unda	
a. Using dark text on dark backgro		
b. Ensuring high contrast for readal	bility	
c. Using neon colors for all text		
d. Avoiding color altogether		
·		

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Keg.	INO	 	 	•

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11. Below is a web page:
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<html>

<body>

<a href="http://www.example.com">Go to Example</a>

</body>

</html>>

</html>

What happens when the above web page is loaded into a browser?

- a. Displays the text "Go to Example" with no link
- b. Displays the text "Go to Example" as a link to http://www.example.com
- c. Displays an error message
- d. Displays "Go to Example" with a broken link

#### 12. Below is a web page

<html>

<body>

Cell 1

Cell 2

Cell 3

Cell 4

</body>

</html>

What happens when the above web page is loaded into a browser?

- a. A table with borders and four cells
- b. A table with no borders and four cells
- c. A table with borders but only two cells
- d. A table with no borders and two cells

#### 13. Which of the following is a correct characteristic of the HTTP protocol?

- a. HTTP is a stateful protocol
- b. HTTP allows data to be sent in binary format only
- c. CHTTP connections are maintained between client and server for future interactions
- d. HTTP is a stateless protocol, meaning each request is independent of others

14.	What does the Post Office Protocol (POP3)	primarily allow users to do?	
	a. Send email messages		
	b. Retrieve email from a remote server		
	c. Access email directly on a web page		
	d. Transfer files between computers		
15.	In the TCP/IP model, which layer is respons	ible for transferring addressable	
1.5.	units of frames and error checking?	iolo for transferring additional	
	umis of names and error encoking.		
	a. Application		
	b. Network		
	c. Data-Link		
	d. Physical	•	·
16.	Below is a web page		
·	<html></html>		
	 body>		
	Here is an image:		
	<img alt="Example Images&lt;/th&gt;&lt;th&gt;age" src="example.jpg"/>		
	What happens when the above web page is l	loaded into a browser?	
	a. Displays the text "Here is an image:	' followed by a broken image link	
	b. Displays the text "Here is an image:"		
	c. Displays the text "Here is an image:		
	example.jpg		·
	d. Displays an error message due to mi	ssing image	
	a. Supply and enter message and to the	~~~~~	
17.	Where in an HTML document is the correct p	place to refer to an external style	
	sheet?		:
	a. At the end of the HTML document		
	b. Between <head> and </head> tags		
	c. Between <body> and </body> tags		
	d. Just after the <a href="https://disable.com/">d. Just after the <a href="https://disable.com/">d. Just after the <a href="https://disable.com/">https://disable.com/</a></a></a>		
	d. Just after the shame tag		
1.0	What is the same at statement relevant to non-	vlan Intermet protected	
18.	What is the correct statement relevant to popular POP is the older design used to send amount	•	
	a. POP is the older design used to send email		
	b. IMAP is more capable of sending emails		
	c. SMTP is deal with retrieving email from		1
		. <b>4</b>	
	d. Telnet protocol is used to connect to remo	ote computers to use their	
	d. Telnet protocol is used to connect to remoresources.	ote computers to use their	

	Reg. No:
19.	FTP is an Internet protocol that allows data files to be transferred from one
1).	computer to another. Which of the following statements is correct?
	computer to unother. Which of the following statements is correct.
	a. Files can be sent or received in either binary or ASCII mode
	b. Files can be sent or received in binary mode only
	c. Files can be sent or received in ASCII mode only
	d. None of the above 3 statements.
	그는 그에 이번 이번 이번에 대한 대학생님은 경우를 가는 것이 없는 것이 없는 것이다.
	그 그 그 이 그는 그는 그는 아이를 하는 바람들이 가는 사람들이 그를 하는데 다.
20.	What is the primary purpose of the HyperText Transfer Protocol (HTTP)?
	a. To transfer files between servers
	b. To manage email communications
	c. To transfer web page requests and responses between browsers and servers
	d. To establish remote connections
Wr	ite the answer inside the cage provided for each question.
	<u> </u>
i	What is the purpose of the Hyper Text Transfer Protocol (HTTP)?
	processors
	이 그 그 그는 그 이 등 이 아이지만 이번 부모습니다. 하는 이 모이는 일 때에 가지 않는데 나는
	그 그 그 그 그 그는 것이 그리고 그 선생님은 그리고 있는 그 그리는 것이 되었다.
11	Name (03) objectives of FTP?
	그리는 그 그는 그리는 그리고 있다. 그리고 말을 하는 그리고 있는 그리고 있다. 그는 그 모양
	. 그 그 그는 그는 이 그는 이 작용이 남자동됐다면 보세 그는 전 전에 그리고 하는 것이다.
ĺ	그 그 그는 그는 그는 그는 그는 그는 사람들이 있는 것 같은 하면 이 아이는 사람들이 다음
:::	Briefly explain what "Packet Switching" is?
1111	Differily explain what Facket Switching 181
	마이트 그는 그리고 그는 이 이 작은 사람의 꽃빛이 많아 만든 말을 하고 말라고 받고 그 사람
1	
	이 그는 그는 그는 그는 그는 그는 이 이 이 사람들이 살아 된다면 하고 있습니다. 그는 나는
	그는 그 그는 그는 그는 그리고 있다는 그림을 늦었다면 그리고 그림을 되었다. 그 그리는 돈
iv	Briefly explain 404 error?
	그 그 그 그는 그는 그는 이 그리는 그리다 바꾸게 되었다고 있다면 물론을 받고 있었다. 그림은 다
	그리는 그는 그는 그는 그를 가는 것이라는 그렇게 하는 것이라고 있다. 그를 가고 있다는 것이다.
	그 그는 그는 그는 이 그리고 있는데 가장됐다고 말라고 있다. 나는 그 사람이 나타다
	그는 그는 그는 그는 그는 그는 그리고 있다. 얼굴 얼굴 그리고 말을 하는 것은 그는 말을 하는 것이다. 그렇게 얼굴했다. 그는
	그는 그는 그는 그는 그는 그 가게 하는 것이 없는 것이 없는 것이 없는 것이 없다.
v	Name the first three (03) layers of ISO/OSI model relevant to computer networks.
- 1	,我们就是一个大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大

viii Compare and contrast Web Designing and Web Development.  viii Explain the TCP/IP protocol.  ix List four (04) drawbacks of the Client-Server Architecture?  x Briefly explain the function of Telnet protocol?	V	what are the (03) main parts of a client server transaction?	
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			*.
			·
			1.
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	x	Briefly explain the function of Telnet protocol?	
	11	2	

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xi.	Describe the difference between Post Office Protocol (POP) and Internet Message Access Protocol (IMAP).
,	
xii.	What is the purpose of the  tag in HTML, and how does it contribute to the organization of
	text content?
xiii.	Why are the protocols important in computer communication?
xiv.	Name (03) protocols used in Network layer of ISO/OSI model?





### ABC School



	Subject	Teacher	No.Of Student
-	English	Maria Anders	56
	Mathematics	Francisco Chang	60

Fill in the blanks s to complete the HTML document provided below to generate the above text and the table as the output when it was executed in a web browser.

<!DOCTYPE html>

<html>

<head>

<....1....> ABC School</...1....>

</head>

<....5...>

<h1>ABC School</h1>

<br>

<.....>

<br>

<...6....>Subject</...6....>

<....6...>Teacher</...6....>

<....6...>No.Of Student</...6...>

<....3...>English</....3...>

<....3...>Maria Anders</....3...>

<....3...>56</....3...>

<....3...>Mathematics</....3...>

<....3...>Francisco Chang</...3....>

<....3...>60</....3...>

</....5...>

</html>