## King Saud University College of Computer and Information Sciences Department of Computer Science CSC 457 Internet Technologies

Second Semester, 1443 H

Time: 6:30 - 8:00 PM

(Answer all 10 questions) Midterm Exam

Student Name :	Student Number :	
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Question 1. What are the under points)	lying technologies that make internetworking work succ	essfully? (10
Packet Switching, Routers, Names.	TCP/IP , Clients + Servers = Distributed Computing, at	nd Computer
Circuit Switching, Routers, Names.	TCP/IP , Clients + Servers = Distributed Computing, a	nd Computer
Packet Switching, Circuit S Computing, and Computer Nam	witching, Routers, TCP/IP, Clients + Servers = Distributes.	outed
	TCP/IP , Clients + Servers = Distributed Computing,	and Computer
None of the above		
Maps domain names into IP	urpose of DNS servers? Select all relevant (10 Points? addresses er DNS servers to map domain names into IP request	.) (0
	er? Select the most relevant one (10 Points) ters that actually run websites	[6
	s responsible for accepting HTTP requests from proce	ssors
A computer program that so All of the above	end HTTP responses along with optional data process	ing address
	Josep (10 Points)	16
on the same computer	that servers such as web servers use to host more that	
Virtual hosting is a method on the same IP address	that servers such as web servers use to host more that	in one domain name

Virtual web hosting is a good solution for small- to medium-sized websites that aren't constantly being visited or that have reasonable bandwidth needs

All of the above

Question 5. Write an HTML file to create a webpage that has the following features (20 points):

- Title of the webpage "CSC457 Internet Technologies"
- Background color is yellow, center alignment, font color is red, and font size 24pt using class attribute and CSS external file.
- Style. CSS Pile:

  Style. CSS Pile:

  body & Dackground: Yellow 3

  p & text-algin: eenter; font-size: 24 Pt; color: red 3

  inde. html Pilen:

  Chtml> C title> CSC 457 Internet Technologies (/fithe)

  Chend> Clink rel="stylesheet" href="style.css"?

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Question 6. What is a plug-in and what is a helper application? (10 points)

A plug-in is a code module that the browser fetches from a special directory on the disk and installs as an extension to itself

Helper Applications receives requests from other DNS servers to map domain names into IP request

A plug-in runs as an integral part of the browser (i.e. in the same process).

A plug-in is removed from the browser's memory upon leaving the page from where it is

Helper Applications is standalone application run as a separate process.

All of the above

Question 7. What are cookies? (10 points)

A cookie is a small piece of information as a file (up to 4K) stored on the client machine in a userspecific cookies-directory for keeping track of return visitors.

A cookie is a small piece of information as a file (up to 4K) stored on the server machine in a userspecific cookies-directory for keeping track of return visitors.

Cookies are generated at the server side and is delivered to the browser before the Web page. Cookies are generated at the client side and is delivered to the browser before the Web page. None of the above Question 8. What are the main three important items attached to DOM? Select the most relevant one (10 points) Properties, methods, and objects Methods, functions, and properties Properties , methods, and events. Properties, methods, and background Question 9. Write an HTML code using Java script to popup an alert has a "Hello World" message when clicking on a button? (10 points) <html7 <need> <tithe> Popul test </tithe> (Scrift) Function popupe) & alert ("Hellow World") 3 </scriety < button type="button" anclick="poput()"> click me! </ button> </ntml> Question 10. Write an HTML code using java script to detect and display the following properties of a browser: Browser type, if cookie is enabled, and the language being used. (10 points) <hearly <+ithe> Browser Info </tithe> < html> </r> Knody Co escripto let b-type = navigator . userAgent; Vet lung = navigator. cookie Enabled; Val t = documet. get Ehrment By Id ("in lo"); timer HTML = " Browser type: " + b-type + " < br > cookie enable?" + cookie + "bangunge < by> language ! "+ lang; </script> (160dy) </h

## 

## Question 5. Write a JavaScript to detect the following properties of browser:

This is a red centered paragraph.

Browser type, if cookies enabled, the language being used.

<body>

</body>

```
<html>
                                                           Question 4. Write HTML code using JavaScript popup an alert has "HELLO WORD"
<body>
                                                           Massage when clicking on a button:
<html>
<script>
                                                              <head>
document.getElementById("infoBrowser").innerHTML
                                                              <script language="javascript">
="Broswer Type is "+navigator.userAgent
                                                              <!--
+" Cookie "+navigator.cookieEnabled
                                                              function popup() {
+" language: "+navigator.language;
                                                              alert("Hello World")
</script>
</body>
                                                              </script>
</html>
                                                              </head>
                                                              <body>
                                                              <input type="button" onClick="popup()" value="Click Here">
                                                              </body>
                                                              </html> Click to see result
```