إمتحانات نهاية الفصل للعام 2021-2022
السنة **الثالثة** الفصل **السادس** الدفعة ITB2018/2019
المقرر : تقنيات و خدمات الويب

التاريخ : 2022/7/5م

الزمن : 3 ساعات

الإسم .... Wd Ali .... الرقم .... 000 ....

أجب عن جميع الأسئلة

ورقة الامتحان تشتمل علي عدد 5 صفحات

Question (1) (20 marks)

(a)Fill the blank with the suitable words (10 marks, 1mark for each)

1. _____ internet _____the network of networks connected via the public backbone and communicating using TCP/IP communication protocol.

2. _____ ip _____ is the fundamental protocol defining the Internet.

3. Machines that access information on the Web are known as___ web client ___

4. _____ is a program deployed on the web.

5. _____ Ajax _____is a new technique for creating better, faster, and more interactive web applications with the help of XML, HTML, CSS, and Java Script.

6. _____ DNS _____is the "phone book" for the Internet

7. famous web applications that make use of AJAX _____ Google Maps _____ and _____ Google Suggests and gmail and yahoo maps

8. _____ PHP Session _____is used to store and pass information from one page to another temporarily.

9. _____ PHP COOKIE is a small piece of information which is stored at client browser. It is used to recognize the user.

(b). write true or false between two Brackets (10 marks, 1mark for each)

1. DNS often uses UDP for communication   (T)
2. Session objects are kept on the server   (T)
3. XML's goal is to replace HTML   (F)
4. All XML elements must be properly closed   (T)
5. XML attribute values must always be enclosed in quotes   (T)
6. Cookie is created at server side and saved to client browser   (T)
7. Multiple namespaces can be used in a single document   (T)
8. Xsd They do not use XML syntax   (T)
9. xsd They do not support namespaces   (T)
10. There are no rules about when to use attributes and when to use elements in (T) xml**.**

Question (2) (10 marks)

(a). Write short notes on (10 marks)

1. Steps of AJAX Operation(6 marks)
   a) client event occurs
   b) An XML HttpRequest object is created
   c) the xml HttpRequest object is Configured
   d) the XML HttpRequest object makes an asynchronous requests to webServer
   e) the web server returns the result containing XML document
   f) the XML HttpRequest object calls the callback()functin and process the result
   g) the html DOM is updated

2. Difference between HTML and XML(4 marks)

   XML was desinged to carry data.

   XML is not replacement for HTML.

   XML and HTML were designed with different goals.

   XML was designed to describe data and to focus on how data and focus on how data looks.

   HTML was designed to display data and to focus on how data looks.

   HTML is about data displaying information ; while XML is about describing information.

(b) Briefly explain (10 marks)

1. write any three major Limitations of IP(3 marks)

   1- no guaranatee of packet Delivery(packet can droped)
   2- Communication is one way (source to destination)

2. Write the major benefit of web services (4 marks)

   major goal of development technology
   CGI/perl,php,j2EE,ASP,.

   Tcp adds concept of a connections on top of ip

3. Write three protocols build on TCP (3 marks)
   - ….SMTP(CLIENT)……………………………………………………
   - ….FTP(FILE TRANSFER)………………………………………….
     HTTP(transfer of web Document)
   - ……………………………………………………………………………….

Question (3) (10 marks)

(a).Given the following code, Write the output. (5 marks)

```php
<?php
setcookie("user", "Sonoo");
?>
<html>
<body>
<?php
if(!isset($_COOKIE["user"])) {
    echo "Sorry, cookie is not found!";
} else {
    echo "<br/>Cookie Value: " . $_COOKIE["user"];
}
?>
</body>
</html>
```

the output :-
Sorry cookie is not found!

when you refresh the page output:
Cookie value name= Sonoo

(b) Given the following Function s explain the tasks (5 marks, 1 mark for each)

Functions	Tasks
session_start()	is used to Start the session
$_FILES['filename']['tmp_name']	returns temporary file name
$_FILES['filename']['name']	returns file name
$_FILES['filename']['error]	returns cod associated with the file
readfile()	read file writes it to out put buffer

Question (4) (10 marks)

(a) drown circle around the correct answer

1. **What does XML stand for**
   a. a. eXtra Modern Link.
   b. Example Markup Language.
   c. X-Markup Language.
   d. eXtensible Markup Language.

2. **how describing XML data**
   a. a. xsl.
   b. schema.
   c. dtd.
   d. a and c.

3. **What is the correct syntax of the declaration which defines the XML version**
   a. <xml version="1.0" />.
   b. <?xml version="1.0" />.
   c. <?xml version="1.0"?>.
   d. <?xml version>.

4. **What does DTD stand for?**
   a. Document Type Definition.
   b. Do The Dance.
   c. Dynamic Type Definition.
   d. Direct Type Definition

5. **Which statement is NOT true?**
   a. XML documents must have a root tag.
   b. XML tags are case sensitive.
   c. White-space is not preserved in XML.
   d. XML elements must be properly nested.

6. **What does XSL stand for?**
   a. eXtra Style Language.
   b. eXpandable Style Language
   c. eXtensible Style Listing.
   d. eXtensible Stylesheet Language

7. **What is a correct way of referring to a stylesheet called "mystyle.xsl" ?**
   a.< stylesheet type="text/xsl" href="mystyle.xsl" />
   b.< stylesheet type="text/xsl" href="mystyle.xsl" />
   c.< link type="text/xsl" href="mystyle.xsl" />
   d. link type="text/xsl" href="mystyle.xsl" />

8. **What are XML entities used for?**
   a. Entities define shortcuts to standard elements.
   b. Entities define shortcuts to standard attributes
   c. Entities define shortcuts to standard text or special characters

9. **PHP server scripts are surrounded by delimiters, which?**

    a.< script>...</script>.

    b. <&>...</&>

    c. <? php...?>

    d.<? php>...</?>

10. **How do you get information from a form that is submitted using the "get" method?**

    a.   Request.Form

    b. $_GET[];

    c.   Request.QueryString

Question (5) (10 marks)

Write the Functions to explain the following task(10 marks)

1. How upload file (3 marks)

```
.<form action="uploader.php method="POST" enctype="
multipart/form-data">
Select File:
<input type="file" name="FileToUpload"/>
<input type="submit" value="Upload Image" name="submit"/>
</form>
```

2. Create new session contain the information about the Student For Example(id) and return the information (4 marks)

```
<?php
session_start();
if(!isset($_SESSION['Student'])){
$_SESSION['student']=id;
}else{
$_SESSION['student']++;
}
echo("echo Student id:".$SESSION['student']);
?>
```

3. How send email via php page to user (3 marks).

```
ini_set("sendemail_from" ,"suleimanmohammedali10@gmail.com");
$to="Hamidabker@gmail.com"
$subject="this is subject";
$message ="how are you Hamid";
$header ="from :suleimanmohammedali10@gmail.com";
$result =mail("$to,$subject,$Message,$header);
if($result == true){
echo "Message sent Successfully";
}
else{
echo "Sorry,unable to send mail..";
}
?>
```

End of Exam / Good Luck