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Course - BCA (Web Technologies)
PROGRAM - BCA
ROLL NO. - 41221139

Page - ①

ASSIGNMENT - 1

Ques1. Write short note on

- ① WORLD WIDE WEB - The world wide web, commonly known as the web, is an information enabling documents and other web resources to be accessed over the Internet.

WWW has become the world's dominant S/W platform.

- ② WEB APPLICATIONS - A web application (web app) is an application program that is stored on a remote server and delivered over the internet through a browser interface.

- ③ WEB PORTAL - A web portal is a web-based platform that collects information from different sources into a single user interface and presents users with the most relevant information for their context.

- ④ WEBSITES - A website is a collection of many web pages, and web pages are digital files that are written using HTML. To make websites available to everyone in the world, it must be stored or hosted on a computer connected to the internet round a clock. Such a computer are known as web server.

- ⑤ WEB BROWSER - A web browser or simply browser is an application used to access and view websites.

Common web browsers are MS edge, Internet explorer, Google Chrome etc.

- ⑥ SEARCH ENGINE - A search engine is a software program that helps people find the information they are looking for online using keywords or phrases. For example, Google, Yahoo! and MSN Search.

NEWS GROUP - A newsgroup is a discussion about particular subject consisting of notes written to a central internet site and redistributed through USENET, a world wide network of news discuss groups. Newsgroup are alt. best. of. internet. alt. config.

- ⑦ E-Mails - Electronic mail (e-mail) is a computer based application for the exchange of messages between users.

E-Mail protocols - Email protocols are a collection of protocols that are used to send and receive e-mails properly.

Types of E-Mail Protocols :-

- (i) SMTP (Simple Mail transfer protocol)

SMTP is used to send mails over the internet. SMTP is an application layer and connection-oriented protocol.

(ii) POP (Post Office protocol)

POP is used to retrieve e-mail for a single client. POP 3 version is the current version of POP used. It is an application layer protocol.

(iii) IMAP (Internet Message Access Protocol)

IMAP is used to retrieve mails for multiple clients. There are several IMAP versions : IMAP, IMAP 2, IMAP 3, IMAP 4, etc. IMAP is an application layer protocol.

⑧ URL - URL stands for Uniform Resource locator, and is used to specify addresses on the world wide web. A URL is the fundamental network identification for any resource connected to the web.

⑨ DOMAIN NAME SYSTEM - The DNS is a naming database in which internet domain names are located and translated into internet protocol addresses.

Ques 2. Explain the difference between client-side scripting and server-side scripting.

Ans.

Features	Server-Side Scripting	Client-side scripting
(i) Primary Function	The main function of this scripting is to manipulate and grant access to the requested database.	The main function of this scripting is to give the requested output to the end-users.
(ii) Uses	It is employed at the backend, where the source code is invisible.	It is employed at the front-end, where users may view.
(iii) Processing	It needs server interaction.	It doesn't need any server interaction.
(iv) Security	It is more secure while working on a web app.	It is less secure than server-side scripting due to the code accessibility.
(v) Running	It executes on the web server.	It executes on the remote computer system.
(vi) Languages involved	PHP, Cold fusion, python, C++, Ruby, C++, etc.	HTML, JS, CSS.

Ques 3. Explain anchor tag used for creating hyperlink (image and text). Discuss the inline links, internal and external linking in detail (Target attribute).

Ans. The <a> HTML element (an anchor element) with its

href attribute, creates a hyperlink to web pages, files, email addresses, locations in the same page, or anything else a URL can addresses.

href attribute of HTML anchor tag -

The href attribute is used to define the address of the file to be linked. In other words, it points out the destination page.

Syntax:

```
<a href = "....." > link text </a >
```

```
<html>
```

```
<head>
```

```
<title> </title>
```

```
</head>
```

```
<body>
```

```
<a href = "img.png" > image </a>
```

```
</body>
```

```
</html>
```

* Inline links are a design pattern that uses hyperlinked words - conventionally blue, underlined words - to guide users to another page containing related information.

→ Internal linking - An internal link is a link from one page to another page on the same domain.

They are simply text hyperlinks from one page to another page on your website.

Website navigation is an example of internal linking.

→ External Linking — External links are a hyperlink that point at (target) any domain other than domain the link exists on (source). External links have a greater impact on search engine rankings than internal links because they are valued by search engines as external votes of confidence / popularity in a web page.

PROGRAMMING QUESTION OF WEB TECHNOLOGY-

Ques-4- Create a HTML webpage which displays the following That is, different courses available in your institute with their subjects. Show the use of Ordered and Unordered list.

Program:

```
<html>
<head>
<title>assignment question 4</title> </head>
<marquee ><b>DELHI SKILL AND ENTREPRENEURSHIP UNIVERSITY</b></marquee>
<body style="margin:0; padding-top:0;">
<h1><b>COURSES</b></h1>
<pre> <ol type="1">
<li> <b>BBA</b></li>
<p>Bachelor of Business Administration or BBA is one of the most popular bachelor's degrees.<br>
This degree course is about the management of a business, company or organisation. <br>
You are taught skills and in-depth knowledge of the business world, and all the intricate aspects of running a
business.</p><br>
<ol type="A">
<li><b>Subjects</b></li></b>
<ul type="disc">
<li>ITB</li>
<li>Computer Applications</li>
<li>Financial Accounting</li>
<li>E-commerce</li></ul>
<li><b>Eligibility criteria</b></li></b>
<P>Bachelor of Business Administration or BBA is one of the most popular bachelor's degrees.<br>
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You are taught skills and in-depth knowledge of the business world, and all the intricate aspects of running a
business.<br></p>
</ol>
<li><b>BCA</b></li></b>
<p>The full form of BCA is bachelor's in Computer Application. <br>
BCA is a 3-year undergraduate degree programme that focusses on knowledge on the basics of computer
application and software development.<br>
A BCA degree is considered to be at par with a BTech/BE degree in Computer Science or Information
Technology.<br> <ol type="A" start="3">
<li><b>Subjects</b></li></b>
<ul type="disc">
<li>C++</li>
<li>Computer Applications</li>
<li>java</li>
<li>Computer Networks </li></ul>
<li><b>Eligibility criteria</b></li></b>
```

Students must have a 50% or above aggregate score in 10+2 in any stream with English, Mathematics as compulsory, and computer science as an additional or core subject. The reserved category student can get relaxation of 5% marks.

B.COM

B.Com degree comprises similar subjects as taught in Class 11 and Class 12 Commerce course. Some of the subjects taught during a BCom degree course include Business Laws, Accountancy, Taxation, Economics, Entrepreneurship, Mathematics, etc.

Subjects

Subjects

Subjects

Technical Communication

EVS

E commerce

Cost accounting

Eligibility criteria

B.Com degree comprises similar subjects as taught in Class 11 and Class 12 Commerce course. Some of the subjects taught during a BCom degree course include Business Laws, Accountancy, Taxation, Economics, Entrepreneurship, Mathematics, etc.

Output:

← → ↻

File | C:/Users/Shubham/Desktop/html%20assignment%20program/q4.html

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DELHI SKILL AI

COURSES

1. BBA

Bachelor of Business Administration or BBA is one of the most popular bachelor's degrees.

This degree course is about the management of a business, company or organisation.

You are taught skills and in-depth knowledge of the business world, and all the intricate aspects of running a business.

A. Subjects

- ITB
- Computer Applications
- Financial Accounting
- E-commerce

B. Eligibility criteria

Bachelor of Business Administration or BBA is one of the most popular bachelor's degrees.

This degree course is about the management of a business, company or organisation.

You are taught skills and in-depth knowledge of the business world, and all the intricate aspects of running a business.

2. BCA

The full form of BCA is bachelor's in Computer Application.

BCA is a 3-year undergraduate degree programme that focusses on knowledge on the basics of computer application and software development.

A BCA degree is considered to be at par with a BTech/BE degree in Computer Science or Information Technology.

C. Subjects

- C++
- Computer Applications
- java
- Computer Networks

D. Eligibility criteria

Students must have a 50% or above aggregate score in 10+2 in any stream

with English, Mathematics as compulsory, and computer science as an additional or core subject.

The reserved category student can get relaxation of 5% marks.

3. B.COM

B.Com degree comprises similar subjects as taught in Class 11 and Class 12 Commerce course.

Some of the subjects taught during a BCom degree course include Business Laws,

Accountancy, Taxation, Economics, Entrepreneurship, Mathematics, etc.

E. Subjects

- Technical Communication
- EVS
- E commerce
- Cost accounting

F. Eligibility criteria

B.Com degree comprises similar subjects as taught in Class 11 and Class 12 Commerce course.

Some of the subjects taught during a BCom degree course include Business Laws,

Accountancy, Taxation, Economics, Entrepreneurship, Mathematics, etc.

Ques-5 create the given table using html table tag.

Program:

```
<html>
<head>
<title>Question 5</title>
</head>
<body>
<table rules="all" border="3">
<pre>
<tr>
<td>1</td>
<td rowspan=3>menu <br>
    <ul type="disc">
        <li>list</li>
<li>tables</li>
<li>forms</li>
</ul>
</td>
<td>Lists are used to group together related pieces of information so they are clearly associated with each other and easy to read.</td>
<td>1. ordered list<br>2. unordered list</td>
</tr>
<tr>
<td>2</td>
<td>A table is an arrangement of information or data, typically in rows and columns, or possibly in a more complex structure. </td>
<td>1. merging of rows is rowspan<br>2. merging of columns is colspan</td>
</tr>
<tr>
<td>3</td>
<td>A form is a document with spaces (also named fields or placeholders) in which to write or select, for a series of documents with similar contents.</td>
<td>1.Textfield<br>2.Number field<br>3.E-mail field<br></td>
</tr>
</table>
</body>
</html>
```

Output:

1		Lists are used to group together related pieces of information so they are clearly associated with each other and easy to read.	1. ordered list 2. unordered list
2	menu	A table is an arrangement of information or data, typically in rows and columns, or possibly in a more complex structure.	1. merging of rows is rowspan 2. merging of columns is colspan
3	<ul style="list-style-type: none"> list tables forms 	A form is a document with spaces (also named fields or placeholders) in which to write or select, for a series of documents with similar contents.	1. Textfield 2. Number field 3. E-mail field

Ques 6. Design a form using Forms Tag

Program:

```

<html>
<head>
<title>forms</title>
</head>
<body>
<h1 font text align="center">Application form</h1>
<pre>
<form>
<ol type="1">
<li>First Name:</li>      <input type="text" name="firstname"><br>
<li>Last Name:</li>      <input type="text" name="lastname"><br>
<li>Father's Name:</li>  <input
type="text" name="fathername"><br>
<li>Highest Qualfication:</li>      <select>
<option value="Undergraduate">undergraduate</option>
<option value="Postgraduate">postgraduate</option>
<option value="doctorate">Doctorate</option>
</select><br>
<li>Date Of Birth:</li>      <input type="date" name="dob"><br>
<li>correspondance attendance:</li>      <textarea
name="attendace" rows="5" columns="40"></textarea>
<li>Subject Preferred:</li>      <select>
<option value="c++">C++</option>
<option value="python">Python</option>
<oprion value="wte">WTE</option>
</select><br>
<li>Gender:</li>      <input type="Radio" name="gender" value="male"

```



```
checked>male<br>
    <input type="Radio" name="gender" value="female"

>female<br>
    <input type="Radio" name="gender" value="others"

>others<br>
<li>Remarks:</li>    <textarea name="remarks" rows="5"

columns="40"></textarea>
<input type="submit" value="submit">
</pre>
</ol>
<form>
</body>
</html>
```

Output:

← → ↻ File | C:/Users/Shubham/Desktop/forms.html

Application form

1. First Name:

2. Last Name:

3. Father's Name:

4. Highest Qualification:

5. Date Of Birth:

6. correspondance attendance:

7. Subject Preferred:

8. Gender: ☒ male ☐ female ☐ others

9. Remarks:

Ques7: Design a HTML webpage (Two frame division) of your favourite movie. Give an attractive background color and image. (USE FRAMES).First frame would contain the image of the movie and the second frame contains the description of the movies. Image of movie should be in hyperlink to open about it in second frame.

Program:

```
#1 <html>
```

```
<head>
```

```
<title>movieimg</title>
```

```
</head>
```

```
<body>
```

```
<a href="http://image.com" target="_blank"> </a>
```

```
</body>
```

```
</html>
```

```
#2 <html>
```

```
<body>
```

```
<pre>
```

<p>Uri: The Surgical Strike is a 2019 Indian Hindi-language military

action film written and directed by debutant Aditya Dhar and

produced by Ronnie Screwvala under the RSVP Movies banner.

...

Uri: The Surgical Strike

Country India

Language Hindi

Budget 25 crore

Box office est. 359.73 crore

</pre>

</body>

</html>

#3 <html>

<head>

<title>frames</title>

</head>

<frameset cols="50%,50%">

 <frame src="movieimg.html"/>

 <frame src="moviesdes.html"/>

</frameset>

</html>

Output:

