



Code	Subject Title	Cr. Hrs	Semester
BBA-304	Web Engineering	3	V
Year	Discipline		
3	Business Administration		

Course Objectives :

The course intends to introduce students with the knowledge and skills necessary to develop web applications by using Web development tools and technologies.

Course Contents :

History of world wide web; Internet protocols; Internet service; Web browsers; Markup languages; Building static pages using HTML; Introduction to DHTML; Including filters; Building static pages using HTML. How to make a serviette, deploy a serviette access a serviette. Sending the request from HTML page. Use of ASP to implement dynamic web site development. Introduction of XML, valid and well formed XML file. About web descriptor and directory structure. War file and how to deploy web application after making own directory structure



UNIVERSITY OF THE PUNJAB

Roll No.

Fifth Semester 2017
Examination: B.S. 4 Years Programme

PAPER: Web Engineering
Course Code: BBA-304

TIME ALLOWED: 30 mins.
MAX. MARKS: 10

Attempt this Paper on this Question Sheet only.

Section I: Objective

Marks: 10

Q1. Chose at least one correct answer

1. Which of this language is case sensitive?
 - a. HTML
 - b. XML
 - c. Both A&B
 - d. None of these
2. The first web browser was developed in _____?
 - a. 1911
 - b. 1991
 - c. 1891
 - d. 1990
3. HTML is a _____ language?
 - a. Structural
 - b. Procedural
 - c. Markup
 - d. All of these
4. _____ is a collection of organized data?
 - a. DBMS
 - b. XML
 - c. Objects
 - d. HTML
5. A Markup language is a language that runs on?
 - a. Server
 - b. Browser
 - c. JVM
 - d. All of these
6. TCP is a _____ protocol?
 - a. Stateless
 - b. State full
 - c. Null
 - d. None of these
7. "src" is an attribute of _____ tag in HTML?
 - a. Input
 - b. Img
 - c. Link
 - d. All of these
8. How many methods to embedded CSS into HTML?
 - a. 1
 - b. 3
 - c. 2
 - d. 4
9. IP Address has _____ Memory?
 - a. 24 bit
 - b. 32bit
 - c. 48 bit
 - d. 28bit
10. "href" is an attribute of ----- tag in HTML?
 - a.
 - b. <a>
 - c. <p>
 - d. <h1>



UNIVERSITY OF THE PUNJAB

Fifth Semester 2017
Examination: B.S. 4 Years Programme

Roll No.

PAPER: Web Engineering
Course Code: BBA-304

TIME ALLOWED: 2 hrs. & 30 mins.
MAX. MARKS: 50

Section II: Subjective

Marks: 50

Note: Attempt Section II on Separate Answer Sheet Provided

Q2. Give brief answers to the following questions (Short Questions)

Marks: 20

1. What is TCP/IP protocol?
2. Explain Servlets?
3. What is hyperlink and what tag is used for it?
4. What are the basic methods of HTTP?
5. What is meant by Web Browser and Web Server?
6. Define pros of Apache?
7. Explain advantages of EMAIL?
8. Explain the term WEB Kit?
9. Describe <Form> tag?
10. What is the difference between HttpServlet and GenericServlet??

Q3. Give detail answers to the following questions (Long Questions)

Marks: 30

1. Write HTML code for the following Form?

(10)

Registration Form

Login

Email address
(which will also be your username)

Password

☐ Remember me (for 2 weeks)

Login

Forgot Password

2. Write ASP code to open a database "User" in Connection Object "connect" and Table name is "Registration" of database in "Record" object. Display all the Record in a table a format using <Table> tab.

(10)

3. Define CSS? Explain the types of CSS with the help of the correct syntax.

(10)



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Examination: B.S. 4 Years Programme

PAPER: Web Engineering

Course Code: BBA-304

TIME ALLOWED: 30 mins.

MAX. MARKS: 10

Attempt this Paper on this Question Sheet only.

Section I: Objective

Q1. Chose at least one correct answer

Marks: 10

1. What is the correct HTML for adding a background color?
A) `<body color="yellow">` C. `<body bgcolor="yellow">`
B) `<background>yellow</background>` D. `<body background="yellow">`
2. The browser uses __ tag to detect javascript.
A) `<js></js>` C. `<script type="text/javascript"></script>`
B) `<scripting></scripting>` d. `<javascript></javascript>`
3. Which tag allows you to add a row in a table?
A) `<td>` and `</td>` C) `<th>` and `</th>`
B) `<cr>` and `</cr>` D) `<tr>` and `</tr>`
4. Which statement is true?
A) All the statements are true C. All XML elements must have a closing tag
B) All XML elements must be lower case D. All XML documents must have a DTD
5. href is an attribute of _____ Tag in HTML.
A) Input C) link
B) Img D) None of These
6. Which tag inserts a line horizontally on your web page?
A) `<hr>` C) `<line direction="horizontal">`
B) `<line>` D) `<tr>`
7. Which of the following attributes of text box control allow to limit the maximum character?
A) size C) maxlength
B) len D) all of these
8. An unordered list in HTML document starts with a
A) `` tag C) `<lu>` tag.
B) `` tag D) None
9. Output of XML document can be viewed in a
A) Word Processor C) Notepad
B) Web browser D) None of the above
10. IP Address has _____ memory.
A) 24 bit C) 48 bit
B) 32 bit D) 28 bit



UNIVERSITY OF THE PUNJAB

Fifth Semester 2018
Examination: B.S. 4 Years Programme

Roll No.

PAPER: Web Engineering
Course Code: BBA-304

TIME ALLOWED: 2 hrs. & 30 mins.
MAX. MARKS: 50

Attempt this Paper on Separate Answer Sheet provided.

Section II: Subjective

Q2. Give brief answers to the following questions (Short Questions). Marks: (10*2=20)

1. Define DOM and its usage.
2. Differentiate between domain name and domain name system.
3. What is the difference between relative and absolute path? Discuss in detail with examples.
4. Differentiate between Static and Dynamic Website.
5. Differentiate between Elements and Tag with example.
6. Define Meta Tag with example.
7. Define XSLT.
8. Discuss internet as a client/server technology.
9. Describe <Form> Tag.
10. What is hyperlink and what Tag is used for it?

Q3. Give detail answers to the following questions (Long Questions) Marks: 30

1. What are the difference between html 4 and html 5? Write the advantages of HTML5.
2. How many ways can we write CSS to style webpage? Which one is better? Please discuss in detail with example and code.
3. Why client side scripts are important in web development. Also discuss advantages and disadvantages of client-side scripts.
4. Write the HTML code for the following Form?

Please Enter your information

First Name:

Last Name:

Gender: Male • Female •

Hobbies: • Reading • Writing • Playing

submit

UNIVERSITY OF THE PUNJAB

Fifth Semester – 2019

Examination: B.S. 4 Years Program

Roll No. in Fig.

Roll No. in Words.

PAPER: Web Engineering

MAX. TIME: 15 Min.

Course Code: BBA-304 Part-I (Compulsory)

MAX. MARKS: 10

Signature of Supdt.:

Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer, cutting and overwriting is not allowed. (1x10=10)

- Which tag for creating hyperlinks?
A) <a>
B) <h1>
C) <b1>
D)
- Where in an HTML document is the correct place to refer to an external style sheet?
A) At the end of the document
B) In the <head> section
C) In the <body> section
- Which extension is used to save CSS Files
A) .js
B) .html
C) .css
D) .asp
- HTML is a _____ language.
A) Programming
B) Procedural
C) Markup
D) All of these
- in this tag which attribute is used?
A) Alt
B) Width
C) Src
D) Height
- Which of following is not an internet protocol
A) TCP/IP
B) HTTP
C) STMP
D) DTHL
- An unordered list in HTML document starts with a
A) tag
B) tag
C) <lu> tag.
D) None
- Output of XML document can be viewed in a
A) Word Processor
B) Web browser
C) Notepad
D) None of the above
- Which TAG is use to write JAVA SCRIPT program?
A) <Tag>
B) <Script>
C) <Style>
D) <Undo>
- www is based on which model
A) Local Server
B) Client Server
C) 3-Tier
D) None



UNIVERSITY OF THE PUNJAB

Fifth Semester – 2019

Examination: B.S. 4 Years Program

Roll No.

PAPER: Web Engineering

Course Code: BBA-304 Part – II

MAX. TIME: 2 Hrs. 45 Min.

MAX. MARKS: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give brief answers to the following questions (Short Questions).

Marks: (10*2=20)

1. Define TCP/IP protocol
2. Write down difference between Static HTML and Dynamic HTML.
3. Define DOM and its usage.
4. Differentiate between Static and Dynamic Website.
5. Define Meta Tag with example.
6. Discuss the importance of session.
7. What is the difference between **Servlet** and JSP?
8. What is meant by Web Browsers and Web Server?
9. Why we use **INLINE-BLOCK** in CSS?
10. Define TCP/IP Protocol and URL.

Q3. Give detail answers to the following questions (Long Questions)

Marks: 30

1. How many ways can we write CSS to style webpage? Which one is better? Please discuss in detail with example and code.
2. Write the HTML code to create following table

3. Write code in HTML Language:

HTML form

First name:

Last name:

E-mail:

- ☐ Male
☐ Female



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program : Fifth Semester – 2020

Paper: Web Engineering

Course Code: BBA-304

Part – I (Compulsory)

Time: 15Min. Marks: 10

Roll No. in Fig.

Roll No. in Words.

Attempt this Paper on this Question Sheet only.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

.....
Signature of Supdt.:

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Which attribute specifies a unique alphanumeric identifier to be associated with an element?
 - a. Class
 - b. ID
 - c. Article
 - d. Html
2. To create HTML page you need
 - a. Web Browser
 - b. Text Editor
 - c. A and B
 - d. None of the above
3. Which attribute is use to provide an advisory text about an element or its contents?
 - a. tooltip
 - b. dir
 - c. title
 - d. head
4. The main container for <tr> <th> and <td> tag is
 - a. <p>
 - b. <table>
 - c. <a>
 - d. <data>
5. <form> tag is used for
 - a. To add image
 - b. To add table
 - c. To add HTML Form
 - d. None of the above
6. What is the correct html for creating a hyperlink?
 - a. Books
 - b. Cd
 - c. Music
 - d. None of the above
7. Border can't be applied on
 - a. <th>
 - b. <td>
 - c. <tr>
 - d. <thead>
8. ASP stands for
 - a. All server pages
 - b. Active server page
 - c. Allied Server Pages
 - d. None of the above
9. How do you write Hello World in Asp
 - a. Hello World
 - b. Request.form
 - c. Response.write "Hellow World"
 - d. None of the above
10. The tag to insert hyperlink is
 - a.
 - b.
 - c. <a>
 - d. None of the above



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answers of the following:

(10x2=20)

1. What is a session in website?
2. What is inline style sheet? How to link?
3. How we can create a table with two columns and two rows on a webpage.
4. Which tag is used to place a heading on a webpage?
5. Differentiate between Static and Dynamic website.
6. Define XML?
7. How do you add a picture to a webpage?
8. How we can link an image to <http://www.google.com>?
9. What is the difference between Cell spacing and Cell Padding?
10. What is Request.Form in asp?

Q.3. Answers the followings questions.

(3x10=30)

1. What is the concept of loops in web engineering?
2. What are Hyperlinks? How we can send a message to abc@yahoo.com with subject Hello using email link write the code.
3. Create a webpage that consist of following

User Name	
Password	
Submit	

- Send these values to a.asp page from form.html and verify if the password is 123 then show a welcome message otherwise show invalid Password Message



Q.1. Give short answers of the following:

(6x5=30)

1. Graphically describe the architecture of web application?
2. What is mean by HTTP protocol and why we need it?
3. Write HTML code for an email link.
4. Define three usage of cookies?
5. Describe the execution of server-side script?
6. Differentiate between cookies and session?

Q.2. Answers the following questions.

(3x10=30)

1. Create a following HTML form which contains Login ID and Password of user as shown in figure below:

The image shows a login form with two text input fields. The first field is labeled "Login ID" and the second field is labeled "Password". Below the password field is a black button with the text "Sign in" in white.

2. Reference to above question, write a code in ASP file to get and print the Login-ID and Password information on a web-page. Display an appropriate error message, if the fields are empty.
3. Write a code in ASP file get and display all the saved records of students from database.
Database: University
DB Table: Students
DB Columns: rollNumber(text), name(text), address(text), phone(number)



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Answer the following short questions: (6x5=30)

1. Graphically describe that how ASP handles client requests?
2. Explain the difference between TCP and UDP?
3. What is meant by scripting language?
4. Explain the different ways to manage user state on web-based system?
5. Why we need session in web application?
6. Suppose you have a variable "name". How can you save this value in session using ASP?

Q.2. Answer the following questions. (3x10=30)

1. Prepare a signup form for a company in tabular format using HTML syntax. The form must have following components:
 - Username
 - First Name
 - Last Name
 - Email
 - Password
 - Confirm Password
 - Address
 - Phone
2. Write an ASP code to generate HTML response. The working of the ASP code is explained in the following:
 - Retrieve request parameter book_id and book_author.
 - If book_id is empty, transfer control to errorPage.html page; display the book information, otherwise.
3. Write a program in ASP that will retrieve the information of workers from database and display in the following format.

Database: Company

DB Table: Employee

DB Columns: name(text), email(text), role(text)

Name	Email	Role
Muhamamd Abrar	abrar@gmail.com	Manager
Nasir Jamil	nasir@gmail.com	Supervisor