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

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:

> **Login ID**
>
> [_____]
>
> **Password**
>
> [_____]
>
> **Sign-in**

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)

UNIVERSITY OF THE PUNJAB
B.S. 4 Years Program : Fifth Semester – 2020

Roll No. ....

Paper: Web Engineering	Course Code: BBA-304	Part – II	Time: 2 Hrs. 45 Min. Marks: 50

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

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 Browers 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

Submit   Reset

UNIVERSITY OF THE PUNJAB

Fifth Semester   2018

Examination: B.S. 4 Years Programme

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 ⚬Paying
submit

PAPER: Web Engineering   **TIME ALLOWED: 2 hrs. & 30 mins.**
Course Code: BBA-304   **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 user name)   [   ]

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)