Printed Pages : 3   Roll No. ....

) Questions : 16   Sub. Code : | 6 | 8 | 0 | 7 |

Exam. Code : | 0 | 9 | 1 | 6 |

B.Engg. (Computer Science and Engineering) 4ᵗʰ Semester

1046

WEB TECHNOLOGIES

Paper : CSE-402

Time Allowed : Three Hours]   [Maximum Marks : 50

Note : Part–A is compulsory. Attempt any **four** questions from Parts B & C selecting at least **two** questions from each Part.

PART–A

1. What do you mean by DNS ?

2. What are web browsers ? List any four web browsers.

3. How do we insert an image in an HTML Document ?

4. What are XML Elements ?

5. How do we display a box with a specified message and an OK button in JavaScript ?

6. What do you mean by CSS ?

7. Which PHP function is used to connect to MySQL Database ?

8. What is the History Object in JavaScript ?

9. What are GET and POST methods ?

10. How do we create a table in HTML ?   10×1=10

VII.   Describe the salient ~~...~~ Act of 2000 and what are their powers?

****

PART–B

1. (a) What are Sessions ? How do we create a session in Explain with example.

   (b) What are Stylesheets ? List the ways of including a stylesheet in an HTML document.

2. (a) List various XML Syntax rules. What are XML Attributes

   (b) Explain any five CSS properties with examples.

3. (a) Explain conditional checking in JavaScript with a suitable example.

   (b) Create a user registration form in HTML to input Username and Password of a user. How do we display these values on submission using PHP Functions ?   2×10=20

PART–C

1. (a) What is a database ? How do we connect to a MySQL Database and execute a query in PHP ?

   (b) Consider the MySQL Table named "Students" and answer the questions that follow :

SID	Name	Branch	Address	Phone	Gender
10001	Rohit	CSE	123, ABC, XYZ	123456789	Male
10002	Manoj	CSE	456, ABC, DEF	987654321	Male
10003	Shweta	EE	789, MNO, IJK	654321789	Female

   (i) Write a query to Delete the record with SID as "10002".

   (ii) Write a query to Display all the records in the table.

   (iii) Write a query to Update Branch to "CSE" of the record with SID as "10003".

(iv) Write a Male.

(v) Write

List various dec examples.

Describe the with an exa

(iv) Write a query to display only the records with Gender as Male.

(v) Write a query to Insert a new row to the database.

List various decision making and loop statements in PHP with suitable examples.

Describe the data types, functions and objectives used in JavaScript with an example.

$2 \times 10 = 20$

June 14 Company

(i)   **Printed Pages : 2**   Roll No. ....

(ii)   **Questions   : 8**   Sub. Code : | 6 | 8 | 1 | 5 |

(ii   Exam. Code : | 9 | 1 | 8 |

B.Engg. B.E. (MBA) 6ᵗʰ Semester (Computer Science and Engg.)

1044

WEB TECHNOLOGIES

Paper : CSE–611

Time Allowed : Three Hours]   **[Maximum Marks : 50**

Note :–   Attempt any five questions, at least **two** from each Section.

SECTION–A

1.   (a)   Discuss about Web Server and Web Browser. Explain its working principles.

(b)   Discuss various services provided by internet.   5,5

2.   (a)   What are different list tags available in HTML ? Explain each.

(b)   Write an HTML code that will display a table of employee name, ID number, total salary and contact number.   5,5

3.   (a)   Discuss different ways to apply CSS to HTML. Give example of each.

(b)   What is the purpose of ACTION and METHOD attributes used with <FORM> ?   5,5

6815/BST-55688   **[Turn over**

(b) Derive the three-dimensional transformation matrix for scaling an object by a in a direction defined by the direction cosines α, β, and γ.

6.7 buffer algorithm for hidden

Printed Pages : 2

Questions : 8

(ii) Exam. Co...

5, (i) Sub. Cod...

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June 14

B Engg. B.E. (MBA) 6th Semester (Comp...

1044

...TED COMP...

4. (a) What are the various font and background proper... in CSS ?

   (b) Explain Screen and history object in JavaScript using a su... program.

SECTION–B

5. (a) Is Java purely object oriented language or not ? Support your view with concrete example.

   (b) Write a Java program to convert given no. of days into months and days. 5,5

6. (a) Explain the application of AJAX in website development. Discuss various advantages and disadvantages of AJAX.

   (b) How styling is done with CSS in XML ? Explain the role of DTD in XML. 5,5

7. (a) Describe PHP session and email ( ) function in detail.

   (b) Explain all the steps involved in connecting database using PHP and MySQL. 5,5

8. Write short notes :

   (a) Location Object

   (b) Cookies

   (c) http request

   (d) Frames. 2½×4

B.Engg. (Computer Science and Engineering) 6th Semester

1046

WEB TECHNOLOGIES

Paper—CSE—611

Time Allowed : Three Hours]   [Maximum Marks : 50

PART–A

Attempt *all* questions.

1.   What do you mean by Relative URLs ?

2.   What are the functions of a Web Server ?

3.   What is a class ?

4.   What is a form tag ?

5.   What are stylesheets ?

6.   What is the difference between HTML and DHTML ?

7.   How are Sessions initialized and accessed in PHP ?

8.   How is an array defined in Java ?

9.   What are cookies ?

10.   List the ways of positioning an element in a browser window.

$$10 \times 1 = 10$$

PART–B

Attempt any *two* questions.

1.   (a)   Design a HTML Form to Input Username and Password of a user and validate these as authorized or invalid username or invalid password upon submission.

iii.   three-principal-vanishing point perspective.

(b) Derive the three-dimensional transformation matrix for sc
in a direction defined by the direction cosines α, β, and γ.

the limitations of Z-buffer al

(b) State the objectives of using CSS Stylesheet and e.
various CSS properties. List the ways of including a stylesh.
in a HTML document.

2. (a) Briefly discuss about XML and DTD. Write a DTD for
student details including student name (first name and last
name), father's name (first name and last name), mother's
name (first name and last name), student roll number, date
of birth, address (city and state).

(b) Write a PHP Script to send an email. Explain the various
parameters of the PHP mail function.

3. (a) What is event handling in DOM ? Discuss giving suitable
examples.

(b) What do you mean by exception handling in JAVA ? Explain
the use of different keywords used for exception handling by
taking suitable examples. $2 \times 10 = 20$

PART–C

Attempt any *two* questions.

1. What do you mean by AJAX ? Explain AJAX server script and
AJAX Database with example.

2. What are control statements ? Explain various control statements
in Java with suitable examples.

3. List various types of operators in PHP. Create a basic calculator
in PHP by taking inputs from an HTML document and displaying
the results.
$2 \times 10 = 20$