May /2016 Sub. Code: Exam. Code:

Printed Pages: 3

Questions : 16

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

- What do you mean by DNS? 1.
- What are web browsers? List any four web browsers. 2.
- How do we insert an image in an HTML Document? 3.
- What are XML Elements? 4.
- How do we display a box with a specified message and an OK 5. button in JavaScript?
- What do you mean by CSS? 6.
- Which PHP function is used to connect to MySQL Database? 7.
- What is the History Object in JavaScript? 8.
- What are GET and POST methods? 9.
- How do we create a table in HTML?

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Act of 2000 and what are their powers? VII. \*\*\*\*

- Write 8 Male.
- Write What are Sessions? How do we create a session in 1. (a)
  - What are Stylesheets? List the ways of including a styles in an HTML document. (b)
- pescribe the List various XML Syntax rules. What are XML Attributes with an exa 2. (a)
  - (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 MySOL Database and execute a query in PHP?
  - Consider the MySQL Table named "Students" and answer (b) 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

- Write a query to Delete the record with SID as "10002". (i)
- Write a query to Display all the records in the table. (ii)
- Write a query to Update Branch to "CSE" of the record (iii) with SID as "10003".

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

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

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

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Describe the data types, functions and objectives used in JavaScript 2×10=20 with an example.

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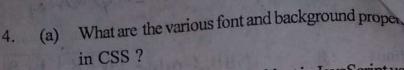
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(i) Printed Pages: 2 Sub. Code: Questions (ii) : 8 Exam. Code: (ii B.Engg. B.E. (MBA) 6th Semester (Computer Science and Engg.) **WEB TECHNOLOGIES** Paper: CSE-611 [Maximum Marks: 50 Time Allowed: Three Hours Note: - Attempt any five questions, at least two from each Section. SECTION-A Discuss about Web Server and Web Browser. Explain its (a) working principles. Discuss various services provided by internet. 5.5 What are different list tags available in HTML? Explain 2. each. Write an HTML code that will display a table of employee (b) name, ID number, total salary and contact number. Discuss different ways to apply CSS to HTML. Give example (a) 3. of each. What is the purpose of ACTION and METHOD attributes (b) 5.5 used with <FORM>? Turn over 6815/BST-55688

(b) Derive the three-dimensional transformation matrix for scaling an object by a

Roll No.



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

## 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.

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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.

- What do you mean by Relative URLs? 1.
- 2. What are the functions of a Web Server?
- 3. What is a class?
- What is a form tag? 4.
- What are stylesheets? 5.
- What is the difference between HTML and DHTML? 6.
- How are Sessions initialized and accessed in PHP? 7.
- How is an array defined in Java? 8.
- What are cookies? 9.
- List the ways of positioning an element in a browser window. 10.

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### PART-B

## Attempt any two questions.

(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.

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(b) Derive the three-dimensional transformation matrix for sca in a direction defined by the direction cosines  $\alpha$ ,  $\beta$ , and  $\gamma$ .

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- 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.

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### 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.

2×10=20