

**End Semester Examinations - 2015-16 Even Semester - May 2016**

**14CS2052 Web Technology**

**Set B**

**Time : 3 hrs**  
**Total Marks: 100**

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1. a) Create a website for Cafe Coffee Day and add following features. (12)
- i) Background Music ii) Promotional Video iii) Search option iv) Attach some Cafe Coffee Day advertisement video from YouTube
- b) Design a registration form to register in a Job Portal with the following fields using HTML5 features. (8)
- i) Name ii) Age (should be 25 to 60) iii) phone number iv) email id (email id should be in proper format) v) Date of Birth vi) User should upload resume vii) Use auto complete for all form elements viii) All fields should be mandatory.
- OR**
2. a) Develop an attractive web page for Indian Tourism with the following features.(8)
- i) Image ii) Table iii) Hyperlink iv) Order List v) Un order List
- b) Create a website for a News Paper using HTML5 elements. Use the following CSS3 properties to improve the look and feel of your website.( 12 )
- i) background ii) box iii)border iv) font v) float vi)margin vii) padding viii) position ix) z-index x) column
3. a) Create a web page to convert currency from dollar to rupee using JavaScript. (8)
- b) Write a JavaScript program where the program takes a random integer between 1 to 10, the user is then prompted to input a guess number. If the user input matches with guess number, the program will display a message "Good Work" otherwise display a message "Not matched". (12)
- OR**
4. a) Design an arithmetic calculator using HTML5 and JavaScript. (10)
- b) Write a JavaScript program to access the form element using tag name, id name and class name. (10)
5. a) Define a Cookie. Illustrate the use of cookie to track user preferences using PHP. ( 8 )
- b) Twitter wants to maintain the user accounts in highly secure way using back end database. In this regard, twitter wants to incorporate new user Signup and Signin feature with certain constraints. The constraints are,
- i) The username must have minimum 8 characters. ii) The password must have 10 characters, must have minimum 1 number, 1 capital letter and 1 special character. For, successful or unsuccessful Signup/Signin, User must get a clear response. Write a PHP program by integrating MySQL for database access to implement the above scenario. (12)
- OR**
6. a) Illustrate the session management in PHP to keep tracks the user preferences such as background color, number of pages visited and current user. (10)
- b) Discuss the significances of super global variables in PHP and illustrate any four with sample code snippets. (10)
7. a) Create a XML document to describe the CD catalog of songs and apply CSS formatting to view the same. (10)
- b) Consider a table in MySQL database called Products with product details such as id, name and cost. Write a PHP code snippet to search a particular product details based on given product id. (10)
- OR**
8. a) Implement the employee payroll application using PHP classes and objects. (10)

b) Generate a XML document from the DTD given below. (10)

```
<!DOCTYPE student [  
<!ELEMENT student (firstName, lastName, plan)>  
<!ELEMENT firstName (#PCDATA)>  
<!ELEMENT lastName (#PCDATA)>  
<!ELEMENT plan (courses*)>  
<!ELEMENT courses (course+)>  
<!ELEMENT course (name, shortName,record+)>  
<!ELEMENT record (grade, date)>  
<!ELEMENT name (#PCDATA)>  
<!ELEMENT shortName (#PCDATA)>  
<!ELEMENT grade (#PCDATA)>  
<!ELEMENT date (#PCDATA)>  
<!ATTLIST courses year CDATA #REQUIRED>  
<!ATTLIST student id CDATA #REQUIRED>  
<!ENTITY O "Outstanding">  
<!ENTITY G "Good">  
<!ENTITY A "Average">  

```

9. a) An e-commerce application wants to maintain a shopping cart which allows the customer to add products to cart. Implement the above scenario using session tracking in JSP. (10)
- b) Develop an AJAX program to illustrate the asynchronous server interaction to populate the list of suggestions as per the given character input. (10)

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**Wishing you All the Best**

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