



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
CAT-II**

Fall Semester 2018-19

Slot : E1

Course Name : Internet and Web programming

Course Code : CSE3002

Duration : 90 Minutes

Max. Marks : 50

PART – A (4 *5=20)

1. Write a PHP function to generate a random password. The password must contain uppercase, lowercase, numeric value. The Length of the password must be 12. shuffle between all the given values to generate the password.
2. Write a PHP web service lookup.php that looks up a name in a file and outputs a URL about the person. You will be given a full name as a GET parameter name. Assume that the parameter is always passed. Read data from a file person.txt as given below such as Full name, username, and position are separated by tabs: Perform the following

Full name	username	position
Morgan Doocy	mdoocy	Devourer of Souls!!!!
Conner Q. Reilly	con74	Director of Archives
Marla Jeffries	mjeff	Lamination Tzar

- a) If the name is matched, output a URL with the employee's name/title, in the following format:
`http://www.xyz.com/PositionNameWithoutSpaces/userName`
For example, `lookup.php?name=Conner+Q.+Reilly` produces the following output:
`http://www.xyz.com/DirectorofArchives/con74`
 - b) If the name is not matched, output the URL: `http://www.xyz.com`
3. Write a java program to create interface named taxcalculation. Use methods like `information()`, `show()` and also maintain the Tax rate as 20%. Implement this interface in employee class to calculate the tax of the employee based on the number of days worked in the company. Get the input from the user for the Salary (per/day) and No. of days worked.
 4. Create a Form using PHP with the help of cookies to perform the following
 - a) The form must contain username (text field), password (password field), remember (checkbox) & Login (submit) button.
 - b) If user select 'remember' functionality, save username & password in cookies.
 - c) When Login Form loads, show recently saved username & password from the cookies.
 - d) If user do not select 'remember', cookies will be deleted

PART – B (3 *10=30)

5. Write a Java Program to implement the bank operation using Multiple Inheritance (Bank Interface, Customer & Account classes).
- Crete a Interface **Bank** having data members like rate of interest, no_of_years and use method show()
 - Crete a class **Customer** with the data members customer_name, customer_id and method display()
 - Create another class **Account** having data members account_no, account_balance and method interest() which Extends the Customer class and implemented Bank interface
 - Write the tester class with the name **Account details**. Pass the Custome Name, ID,Account Numner and Balance through main method. Display the Rate of interest for 3 years @ 12% and display the output as given below.

Customer Name = XYZ Customer Id = 12345678 Account No. = 9876543 Account Balance = 5000.0 Interest = 1800.0

6. Assume that a user has loaded some products to the E-commerce shopping cart. The session ID is used to fetch and display the current items in the cart. The ID is then added to the form's ACTION attribute, so it can be retrieved by the ShoppingCart servlet. The session ID is also added to a new help URL that invokes the Help servlet. Write the java servlet program to perform the following.
- Retrieve the session ID send by the server.
 - If a session ID is not specified Generate a New session ID
 - Show a revised version of our shopping cart to track a products added
 - Print the Cart items that are associated with the session ID
 - Ask if the user wants to add more items by Offering a help page. Include the session ID in the URL and check out

7. A Jobseeker submits his Resume and Photograph to a online job portal. The portal accepts the submission of files only after the key validations. Write the appropriate HTMLcontaining (Input types and button) and PHP script to process the files based on the following
- Specifies the directory where the files are going to be placed
 - Check if File Name Already Exists
 - The Resume should accept only Pdf / Doc and size of the file must be within 500kb
 - Allowed file types for the photograph(jpeg, jpg) and file size within 1 mb
 - Checks whether a file was uploaded via HTTP POST