Third Year B.C.A. (Science) Semester V

(To be implemented from Academic year 2017-18)Course Code: BCA-506

Course Title: LAB II (Adv. Web Technology)

Total Contact Hours: 48 hrs.

Total Credits: 04

Total Marks: 100

Note that these are only sample assignments. Teachers may conduct

practicals

by

preparing similar types of examples

PHP Slips for T Y BCA

1)

Write class declarations and member function definitions for an

employee

(code, name, designation).

Design derived classes as

emp\_account

(account\_no, joining\_date) from employee and

emp\_sal

(basic\_pay, earnings, deduction) from emp\_account.

Write a PHP Script to create 5 objects (pass details using \_\_Construct (

) constructor)

and

Display details Employees who having Maximum

and Minimum

Salary.

2)

Define an interface which has methods area(), volume(). Define constant PI. Create a

class cylinder which implements this interface and calculate area and volume. ( Use

define())

3)

Deri

ve a class square from class Rectangle. Create one more class circle. Create an

interface with only one method called area(). Implement this interface in all the classes.

Include appropriate data members and constructors in all classes. Write a program to

accept details of a square, circle and rectangle and display the area.

4)

Create an abstract class Shape with methods calc\_area( ) and calc\_volume( ). Derive

three classes Sphere(radius) , Cone(radius, height) and Cylinder(radius, height), Calculate

area an

d volume of all. (Use Method overriding).

5)

Define a class Employee having private members

–

id, name, department, salary. Define

parameterized constructors. Create a subclass called “Manager” with private member

bonus. Create 6 objects of the Manager class

and display the details of the manager

having the maximum total salary (salary + bonus).

6)

Write a PHP Script to create a super class

Vehicle

having members Company and price.

Derive 2 different classes LightMotorVehicle (members

–

mileage) and

HeavyMotorV

ehicle (members

–

capacity

-

in

-

tons). Define 5 Object of each subclass and

display details in table format.

7)

Write PHP script for the following: Define Class declarations and member function

definitions for Student(rollno, name, academic\_year). Design deriv

ed classes as

Internal(marks, total), External(marks, total). Perform the following operations and show

the results: Accept the details from the user and Show the result along with all details and

total marks as addition of marks of Internal and External.

8)

Write a script to keep track of number of times the web page has been accessed(use

$\_COOKIE).

9)

Create a login form with a username and password. Once the user logs in, the second

form should be displayed to accept user details (name, city, phoneno). If th

e user doesn‟t

enter information within a specified time limit, expire his session and give a warning

otherwise Display Details($\_SESSION).

10)

Create a form to accept student information (name, class, address). Once the student

information is accepted, accep

t marks in next form (Java, PHP, ST, IT, pract1, and

project). Display the mark sheet for the student in the next form containing name, class,

marks of the subject, total and percentage(Use $\_COOKIE).

11)

Write a program to create a shopping mall. User must b

e allowed to do purchase from

three pages. Each page should have a page total. The fourth page should display a bill,

which consists of a page total of whatever the purchase has been done and print the total.

(Use $\_SESSION).

12)

Create a form to accept

customer information (name, address, ph

-

no) (use Java Script to

validate fields).Once the customer information is accepted, accept product information in

the next form(Product name, qty, rate). Display the bill for the customer in the next form.

Bill shoul

d contain the customer information and the information of the products entered.

13)

Write a PHP script to accept username and password. If in the first three chances,

username and password entered is correct, then display second form with well come

massage, o

therwise display error message.

14)

Create student registration form and display details in the next page. (Use sticky form

concept).

15)

Write a PHP Script to display Server information in table format (Use $\_SERVER).

16)

Write a PHP Script to Upload the file an

d display its information.(use $\_FILES).

17)

Write a PHP program to accept username and password from the user. Validate it against

the login table in the database. If there is a mismatch between username and password,

then, display the error message as ―inv

alid user name and password‖, else display the

message as ―Login successful‖ on the browser.

18)

Write a PHP program to implement Create, Read, Update and Display operations on

Employee table with attributes(empno, empname, dateOfJoin, address, salary).

(Use

Radio Buttons)

19)

Consider the following relational database:

Project (Pgroupno, ProjectTitle)

Student (Seat no, Name, Class, Pgroupno)

Write a PHP script to accept project title and display list of students those who are

working in a particular project.

20)

Consider the following entities and their relationships

Emp (emp\_no,emp\_name,address,phone,salary)

Dept (dept\_no,dept\_name,location)

Emp

-

Dept are related with one

-

many relationship

Create a RDB in 3NF for the above and solve following

Using above database write a PHP script which will

a)

Insert employee records in table .

b)

Print a salary statement in the format given below, for a given department. (Accept

department name from the user).

Maximum Salary

Minimum Salary

Sum Salary

21)

Consider the following entities and their relationships

Doctor (doc\_no, doc\_name, address, city, area)

Hospital (hosp\_no, hosp\_name, hosp\_city)

Doctor and Hospital are related with many

-

many relationship

Create a RDB in 3 NF for the above and solve follow

ing

Using above database, write a PHP script which accepts hospital name and print

information about doctors visiting / working in that hospital in tabular format.

22)

Consider the following entities and their relationships

Movie (movie\_no,

movie\_name, release\_year)

Actor (actor\_no, name)

Relationship between movie and actor is many

–

many with attribute rate in Rs. Create a RDB in

3 NF for the above and solve following Using above database, write PHP scripts for the

following:

(Hint: Cr

eate HTML form having two radio buttons)

a)

Accept actor name and display the names of the movies in which he has acted.

b) Insert new movie information.

23)

Consider the following entities and their relationships

BillMaster(billno, custname, billdate )

BillDetails(itemname, qty, rate, discount)

BillMaster and BillDetails are related with one

-

to

-

many relationship.

Create a RDB in 3 NF for the above and solve following

Write PHP script to print the bill in following format Accept the Bill number from user

.

BillNo :

BillDate :

Customer Name :

SrNo

Particular

Quantity

Rate

Discount

Total

Gross Amount :

24)

Write a script to create XML file named “Rajashree.xml”

The element details of “Rajashree .xml” are:

<Rajashree Productions>

<Movie>

<MovieName>..........</MovieName>

<Actor Name>............</ActorName>

<ReleaseYear>............</ReleaseYear>

</Movie>

</RajashreeProductions>

Store details of at least 5 movies w

hich got released during 1990

-

2015.

25)

Write a PHP script to generate an XML in the following format

<?xml version = “1.0” ?>

<BookStore>

<Books>

<PHP>

<title>Programming PHP</title>

<publication>O‟RELLY</publication>

</PHP>

<PHP>

<title>Begi

nners PHP</title>

<publication>WROX</publication>

</PHP>

</Books>

</BookStore>

26)

Create a XML file which gives details of books available in “ ABC Bookstore” from

following categories.

1) Technical

2) Cooking

3) Yoga

and elements in each category are in the following format

<Book>

<Book\_PubYear>

--------------

</Book\_PubYear>

<Book\_Title>

--------------

</Book\_Title>

<Book\_Author>

---------------

</Book\_Author>

</Book>

Save the file as “Bo

ok.xml”

Create an application that reads “Book.xml” file into simple XML object. Display attributes and

elements.

(Hint: Use simple\_xml\_load\_file() function)

27)

Write a script to solve following questions (Use “Book.xml” file)

a) Create a DomDocument

object and load this XML file.

b) Get the output of this Document to the browser

c) Save this [. XML] document in another format i.e. in [.doc]

d) Write a XML program to print the names of the books available in “Book.xml” file.

28)

Write a script to create

“cricket.xml” file with multiple elements as shown below:

<CricketTeam>

<Team country=”India”>

<player>\_\_\_\_</player>

<runs>\_\_\_\_\_\_</runs>

<wicket>\_\_\_\_</wicket>

</Team>

</CricketTeam>

Write a script to add multi

ple elements in “cricket.xml” file of category, country=”Australia”.

29)

Write a PHP script to accept an .XML file which should comprise the following:

<cricket>

<player>abc</player>

<runs>1000</runs>

<wickets>50</wickets>

<noofnotout>10</noofnotout>

</cricket>

For at least 5 players. Display the details of players who have scored more than 1000 runs and at

least 50 wickets.

30)

Link this “Rajashree.xml” file to the CSS style sheet and get well formatted output as

given below.

a)MovieName :

Color: black,

Font

-

family: Copperplate Gothic Light;

Font Size: 16 pts;

Font:Bold;

b)ActorName and ReleaseYear:

Color:

Red;

Font

-

family: Bodoni MT;

Font Size: 12 pts;

Font: Bold

31)

Write a php script using AJAX concept, to give Hint to user when he/she type city name

in the text field.

32)

Write a PHP script using AJAX concept, to check user name and password are valid or

Invalid (use database to store user name and password).

33)

Write a PHP script using AJAX concept, to develop user

-

friendly and interactive search

engine