END TERM EXAMINATION

FIFTH SEMESTER [BCA] DECEMBER 2013

Paper Code: BCA313	Subject: Web Based Programming (2011 onwards)

Time : 3 Hours   Maximum Marks :75

**Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each section.**

Q.1 Do the following   (10*2.5=25)
  a) Differentiate between static and dynamic web page.
  b) How can you incorporate one PHP file within another with example?
  c) What is garbage collection and type juggle in PHP?
  d) What is session, how session is created and destroyed.
  e) What is printf function and difference between echo and print statement in PHP?
  f) How can you submit a form without displaying it in the browser? Which associative array is used to pass data to PHP?
  g) Name three conditional statements in PHP. When would you use the === operator?
  h) What are the different types of errors in PHP?
  i) How can we get the properties (size, type, width, height) of an image using PHP image functions?
  j) What is query string? Give example in PHP

UNIT-I

Q.2 (a) What is web application? Differentiate between client side scripting and server side Scripting.   7
  (b) What is web server? Differentiate between local and remote server.   2.5

  (c) What is the difference between WAMP, MAMP and LAMP?   3

OR

Q.3 (a) PHP being an open source is there any support available to it? How the web server interprets PHP and interacts with the client?   2.5
  (b) PHP and JavaScript are both programming languages that generate dynamic results for web pages. What is the main difference and why would you use both of them.   1.5
  (c) Write down the steps for installation of Apache, IIS and PWS in windows OS. 8.5

UNIT-II

Q.4 (a) What is PHP .Explain data types and variables in PHP. What is the difference between $msg and $$msg?   4.5

  (b) What is the scope of variable .List and explain all scope of variable and super Globals variable in PHP with example.   5.5
  (c) Define constants in PHP with example. What are implicit casting and explicit casting in PHP?   2.5

OR

Q 5(a) Differentiate numeric and associative array with example. Write a PHP script to create a multidimensional array.   3
  (b) What is foreach and each in PHP? Write a PHP program for passing by value and passing by reference?   4.5
  (c) Explain following array function with the help of example   5

     1. assort()   2. explode()   3. compact ()   4. reset ()   5. is_array()

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UNIT-III

Q.6 (a) Write a PHP code to design a registration form according to given field :name, E-mail, Phone number and comment, and apply form validation on name, email and phone number, also make a buttons to send the data   8

(b) What are cookies? How can you create, access and delete a cookie in PHP with the help of example.   4.5

OR

Q. 7(a) Write a PHP script to open, close, read and write into a file.   7
(b) What is File Handling in PHP? Write a PHP script to upload a file   3
(c) What is HTTP application state?   2.5

UNIT-IV

Q.8 (a) What is MYSQL? What are the different data types in MYSQL? Explain each of them with suitable example.   5.5
(b) Write connectivity and selecting database statement which is used to connect PHP with MYSQL.   3.5
(c) In how many ways we can retrieve the data in the result set of MySQL using PHP? What is the difference between mysql_fetch_object and mysql_fetch_array?   3.5

OR

Q.9 (a) Write a PHP script to create a database Course and create a student table with in the database with field i.e. student_id, student_name, student_age. Insert maximum two records and select all records of student table.   7.5
(b) Write a PHP script to insert records of student table through Form and display records in table format.   5

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END TERM EXAMINATION

FIFTH SEMESTER [BCA] DECEMBER 2014

Paper Code: BCA313	Subject: Web Based Programming
Time : 3 Hours	Maximum Marks :75

Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each unit.

Q1 Explain **any ten** of the following:-   (2.5x10=25)
(a) Differentiate between GET and POST method.
(b) Differentiate between Client Side Scripting and Server Side Scripting.
(c) Differentiate between Local and Remote Server.
(d) Explain the Features of PHP.
(e) What is Application State and how a string can be displayed using the PHP script?
(f) Differentiate between print and echo statement.
(g) Differentiate between Static and Dynamic website.
(h) Explain Comments and in how many ways we can add a comment to the PHP code?
(i) Explain how PHP is secure language?
(j) Explain with example how to concatenate two strings together in PHP?
(k) Explain the different types of errors in PHP.
(l) What is an Array and how we can declare an array using PHP?

UNIT-I

Q2 (a) Explain IIS in detail with its installation steps over any Operating System. (6)
(b) Explain Web Server with its suitable Features.   (4)
(c) If a variable $test is equal to 'a' and variable $a is equal to 10 then what will be the value of $$test?   (2.5)

Q3 (a) Explain HTML with its features and limitations and compare it with PHP. Write a programme to explain how we can embed the PHP in the HTML code with suitable comments?   (6.5)
(b) Explain and compare the IIS and Apache web server. Define how server interacts with a client with the suitable differences between client and the server.   (6)

UNIT-II

Q4 (a) Explain the control structure of PHP in detail with suitable example.   (7.5)
(b) Write a programme to print the Factorial of a number.   (5)

Q5 (a) Explain PHP with the common way to start and finish a PHP block of code. Explain the Data Types supported by PHP and why PHP is known as Loosely Types Language.   (6.5)
(b) Write a programme to validate a string is Palindrome or not.   (6)

UNIT-III

Q6 (a) What is File Handling in PHP? Explain it with different Access Modes?   (6)
(b) Explain Sessions and Cookies with a suitable example.   (6.5)

Q7 (a) Write a programme using PHP to Read and to display the contents of a file.   (6)
(b) Write a programme to design a Login Form using the POST HTTP Method.   (6.5)

UNIT-IV

Q8 (a) What is MYSQL? Explain the various constraints of SQL and write the steps to design a table using MyPhpAdmin.   (6.5)
(b) Write a programme to store the student information (like: student name, age, marks, city etc.) through the form to the student database table.   (6)

Q9 (a) Write a programme to display all the content of the database on a web form with proper comments.   (6.5)
(b) Explain **any two** functions in detail:-   (6)
    (i) mysql_query( )   (ii) mysql_connect( )   (iii) mysql_close( )

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END TERM EXAMINATION

FIFTH SEMESTER [BCA] DECEMBER 2015-JANUARY 2016

Paper Code: BCA-313	Subject: Web Based Programming

Time: 3 Hours   Maximum Marks: 75

**Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each unit.**

Q1 Explain the following **(Attempt any ten):-**   (10x2.5=25)
    (a) Differentiate between Static and Dynamic Website
    (b) Differentiate between mysql_fetch_object ad mysql_fetch_array.
    (c) Differentiate between Split and Explode.
    (d) Describe functions STRSTR() and STRISTR().
    (e) What is the difference $test and $$test.
    (f) What is Persistent Cookie?
    (g) Is PHP a Loosely Typed Language? What is the difference between
        Strongly typed and Loosely typed language?
    (h) How we can Destroy the Cookie?
    (i) Differentiate Include and Require?
    (j) What is the difference between Echo and Print statement?
    (k) Explain PHP with its features?
    (l) What are the different functions for Sorting an Array?

UNIT-I

Q2 (a) Explain PWS and IIS with installation steps.   (7.5)
    (b) Difference between Client Sides Scripting with Server Side Scripting.(5)

Q3 (a) Explain HTML and differentiate GET and POST form submission
        methods with example using HML, with PHP.   (7.5)
    (b) Explain and compare the Local and Remote Server.   (5)

UNIT-II

Q4 (a) Explain Arrays with its functions and types in detail.   (7.5)
    (b) Write a program to print the Fibonacci Series for user defined
        number.   (5)

Q5 (a) Explain Functions in detail with a suitable program which can
        demonstrate recursive functionality.   (7.5)
    (b) Differentiate Call by Value with Call by Reference concept with
        suitable example.   (5)

UNIT-III

Q6 (a) Explain Application State and Write a program to demonstrate
        Cookies.   (7.5)
    (b) Write a program to Copy the Content of one file to another file.   (5)

Q7 (a) Write a program to Send Email using PHP.   (7.5)
    (b) Explain Sessions with its features and demonstrate with a suitable
        example.   (5)

END TERM EXAMINATION

FIFTH SEMESTER [BCA] DECEMBER 2016

Paper Code: BCA-313	Subject: Web Based Programming
Time: 3 Hours	Maximum Marks: 75

Note: Attempt any five questions including Q no.1 which is compulsory. Select one question from each unit.

Q1 Do the following:-   **(10x2.5=25)**
  (a) How can we encrypt the username and password using PHP? What are the eneryption functions in Php?
  (b) Difference between GET, POST and REQUEST method.
  (c) What is the difference between array combine and array merges?
  (d) What are the different types of errors in PHP?
  (e) Difference between include(),include once(),required(), required once() and header('Location:')
  (f) Write a PHP script to send a mail.
  (g) What is maintaining state? How can we create, access and delete a cookie.
  (h) What is Juggling in PHP?
  (i) How to create and read the content of a file in PHP.
  (j) Difference between echo and print and == and === in PHP.

UNIT-I

Q2 (a) What is Web Application? Difference between traditional web Application and AJAX web Application.   **(6.5)**
  (b) Difference between clients side and Server side Scripting.   **(6)**

Q3 (a) Write down the steps of Installation of Apache, IIS and PWS.   **(6.5)**
  (b) Differentiate between:-   **(6)**
    (i) Static website and Dynamic Web Site
    (ii) Remote Server and Local Server
    (iii) PHP and JavaScript

UNIT-II

Q4 (a) What is PHP? Create an associative array using the countries as keys, the cities as values and transform it into 2-dimensional array and display the data as a table.   **(6)**
  (b) Define constant in PHP with example. Explain Variable scope and super global variable in PHP.   **(6.5)**

Q5 (a) Explain functions in PHP in detail. Write a function to swap two numbers without using third variable.   **(6)**
  (b) What do you mean by management of variables? Explain with the help of suitable example. Write a Menu-Driven program to implement a calculator which performs only addition, subtraction, multiplication and division. The operation should happen based on the user choice.   **(6.5)**

UNIT-III

Q6 (a) How can we submit a form without a submit button. Design a login form using HTTP authentication.   **(6.5)**
  (b) Write a Program using PHP to upload a file.   **(6)**
  P.T.O.

Q7 (a) Write a PHP code to design given Contact us form and provide validation on name.email. **(6.5)**

(b) Explain Session and Write a PHP script to count the number of visit of web page by the user using session. **(6)**

UNIT-IV

Q8 (a) What is MYSQL? Explain datatypes of MYSQL. Write the various constraints of SQL and write the steps to design a table using PhyMyadmin. **(8)**

(b) How to use MYSQL in Clause for string search and number search. **(4.5)**

Q9 (a) Write a PHP script to create a database employee and create a employee table with in the database with field name i.e. emp_id, emp_name, emp_salary and emp_designation. Insert a record and select all records of employee table and display in tabular format **(8.5)**

(b) Difference between mysql-connect and mysql-pconnect. **(2)**

(c) In how many ways we can retrieve the data in the result set of MySQL using PHP? **(2)**

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END TERM EXAMINATION

FIFTH SEMESTER [BCA] NOVEMBER-DECEMBER 2018

Paper Code: BCA-313	Subject: Web Based Programming
Time: 3 Hours	Maximum Marks: 75

Note: Attempt five questions in all including Q no.1 which is compulsory. Select one question from each unit.

Q1 Attempt **any ten** of the following:-   (2.5x10=25)
   (a) What is DHTML?
   (b) What is Open Source Software?
   (c) How do you give comment in PHP?
   (d) What is the difference between echo and print statement in PHP?
   (e) What is phpinfo()?
   (f) What is the difference between " " and ' ' ?
   (g) What is a lexical structure of PHP?
   (h) Explain the for each loop in PHP?
   (i) How do you concatenate two strings in PHP? Explain using suitable example.
   (j) What is the difference between $BCA and $$BC?
   (k) What is HTTP application state?
   (l) Explain the super global variables in PHP?

UNIT-I

Q2 (a) Explain the web development tools required to make dynamic website in brief.   (6)
   (b) What is the difference between static and dynamic website?   (6.5)

OR

Q3 (a) Explain the types of scripting language and justify with example the importance of scripting language for creating a website.   (6)
   (b) What is web server? Explain local and remote server.   (6.5)

UNIT-II

Q4 (a) Explain the following using example-   (6)
       (i) Sort() (ii) Is_array (iii) Count() (iv) Shuffle() (v) Reset() (vi) End()
   (b) Write a PHP script to find whether a string is palindrome or not.   (6.5)

OR

Q5 (a) What are the different types of arrays? Explain its benefit?   (6)
   (b) What is the difference between explode(), extract() and compact() php function. Give example.   (6.5)

UNIT-III

Q6 (a) Create a registration form for a bank portal and session should expire if the system is idle for 1 minute.   (6)
   (b) What are the different types of errors in PHP?   (6.5)

OR

Q7 (a) What is File Handling in PHP? Write a PHP script to open, close read and write into a file.   (6)
   (b) What are cookies? How can we create and destroy cookies?   (6.5)

UNIT-IV

Q8 (a) What is MYSQL? What are the different data types in MYSQL? Explain each of them with suitable example.   (6)
   (b) What is the difference between Drop and Alter table? Illustrate with example. (6.5)

OR

Q9 (a) What are the SQL commands to modify a database and justify each by writing a PHP script using student table having fields as Roll No., Name and DOB.   (6.5)
   (b) Write the steps to create a table using MYSQL through Myadmin.   (6)

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