Credit Based Fifth Semester B.C.A. Degree Examination, Oct./Nov. 2014
(New Syllabus) (2014-15 Batch)
LAMP TECHNOLOGY

Time : 3 Hours

Max. Marks : 100

Note : *Answer any ten questions from Part A and one full question from each Unit in Part B.*

## PART – A

(10×2=20)

1. a) Expand :
    i) RPM
    ii) CLI

   b) List any two advantages of getting Linux as a packaged distribution.

   c) Differentiate locate and find commands.

   d) What are two versions of Apache ?

   e) What is the use of .htaccess files ?

   f) How do you verify integrity of downloaded Apache Web Server ?

   g) What is request/response communication paradigm ?

   h) Write commands to make sure that MySql starts at the time the machine boots.

   i) What is a BLOB ? List different types of BLOBs available in MySql.

   j) List rules to be followed while naming a variable in PHP.

   k) Differentiate echo and print statements in PHP.

   l) Differentiate include () and require () functions.

## PART – B

### UNIT – I

2. a) Explain in brief any five Linux Packaged Distributions.

   b) Explain :
   
   | | |
   |---|---|
   | a) man | b) grep |
   | c) more | d) mkdir |
   | e) mv | f) in |

   c) Explain any four commands associated with processes in Linux.

   d) What is command aliasing ? Explain with example.                    (6+6+5+3)

3. a) Assuming a 10 GB disk, recommend Linux partitions in it.

   b) List any five File System Essentials.

   c) Explain in brief :
   
   | | |
   |---|---|
   | a) /bin | b) /usr/tmp |
   | c) /boot | d) /var/log |

   d) Explain standard shortcuts used with cd command.                    (5+6+6+3)

### UNIT – II

4. a) List and explain any five important entries in httpd. conf file.

   b) Write a note on Apache Modules.

   c) Explain how one can add additional options to directories ? Give examples.

   d) Explain Name based Virtual Host.                                    (6+5+5+4)

5. a) Write a note on Apache2 installation process.

   b) Explain IP based Virtual Host.

   c) List any five values to the options directives.

   d) Give a sample httpd.conf configuration file for the LAMP framework.  (5+5+5+5)

## UNIT – III

6. a) Explain Server Side Internet Architecture of Apache with a neat diagram.

   b) List benefits and drawbacks in running PHP as Server Side Scripts.

   c) Explain different ways in which SELECT command is used in MySql.

   d) Write a note on granting privilege for a new user on a database in MySql.   (5+5+6+4)

7. a) Explain the execution of a CGI program with the help of diagram and example.

   b) Explain Installation and Configuration of PHP.

   c) Explain with example the following MySQL commands.
   - a) CREATE TABLE
   - b) INSERT
   - c) DELETE
   - d) UPDATE

   d) List different types of integer data types available in MySql.   (5+5+8+2)

## UNIT – IV

8. a) List and explain in brief
   - i) Assignment operators
   - ii) Comparison operators

   b) What is a cookie ? Explain how to create and retrieve cookies in PHP.

   c) What is the need of validation of form information ? How it is done in PHP. Give example.

   d) Explain switch with syntax and example.   (6+4+5+5)

9. a) Explain date() function with its syntax. List and explain any 5 format strings which can be used with it.

   b) Explain the following functions with syntax.
   - a) mysql_connect()
   - b) mysql_connect_db()
   - c) mysql_query()

   c) Explain mail() function with its syntax.Give example.

   d) Explain for each with syntax and example.   (6+6+4+4)