Credit Based Fifth Semester B.C.A. Degree (Supplementary) Examination, August/September 2015
(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　　　　　　　　　　　　　　　　　　　(2×10=20)

1. a) What is RPM ? What is its use ?

　b) Differentiate process and daemons.

　c) What is swap partition ? What should be the normal space needed for the swap ?

　d) What are two versions of Apache ?

　e) Differentiate IP based Virtual Hosts and Name based Virtual Hosts.

　f) List any two benefits in running PHP as a Web Server side scripts.

　g) List different types of integer data types available in MySql.

　h) Give commands to create database and tables in MySql.

　i) Differentiate echo and print statement in PHP.

　j) Differentiate GET and POST methods.

　k) What is a cookie ?

　l) Explain Loader function. List any two options of it.

PART – B
UNIT – I

2. a) Explain in brief any five Linux packaged distributions.

　b) Explain in brief :

　　i) man　　　ii) pwd　　　iii) grep　　　iv) more　　　v) mkdir

　c) List any five file system essentials.

　d) Explain standard shortcuts used with cd Command.　　　　　　　(5+6+5+4)

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

   b) List any five file system essentials.

   c) Explain in brief :

   i) /bin   ii) /usr/tmp.   iii) ./boot

   d) What is command aliasing ? Explain with example.   (5+5+6+4)

UNIT – II

4. a) Write a note on configuring Apache Web Server.

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

   c) Explain how one can add additional options to directories ? Give examples.
                                                                (5+10+5)

5. a) Explain IP based Virtual Host.

   b) Write a note on Apache modules.

   c) Give a sample httpd.conf configuration file for the LAMP framework.

   d) List any four values to the options directives.   (6+5+5+4)

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 with example the following MySQL commands.

   i) CREATE TABLE   ii) INSERT

   d) Write a note on how to create, use and grant permission for a new user on a database in MySql.
                                                                (5+5+5+5)

7. a) Write a note on MySQL data types.

   b) Explain the following :

   i) DELETE   ii) UPDATE   iii) USE

   c) With the help of a diagram explain the request/response Internet paradigm.

   d) List different types of integer data types available in MySQL.   (5+6+6+3)

UNIT – IV

8. a) List and explain in brief :-

    i) Assignment operators

    ii) Comparison operators

    iii) Incremental operator

    iv) Identical operator.

  b) Explain function declaration in PHP. Give example.

  c) Write a note on arrays in PHP.

  d) Explain various if statements in PHP.   (4+4+6+6)

9. a) Explain how to establish connection to database and execute query on database in PHP ? Give example.

  b) Explain date() function with its syntax. List and explain any 4 format strings which can be used with it.

  c) List and explain any three file handling functions in PHP.

  d) Explain mail() function with example.   (4+6+6+4)

———————