

Reg. No.

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

BCACAC 318

Credit Based Fifth Semester B.C.A. Degree Examination, Oct./Nov. 2016
(New Syllabus) (2014-15 Batch Onwards)
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

(10x2=20)

1. a) Expand :
 - i) RPM
 - ii) CLI
- b) List any two advantages of getting Linux as a packaged distribution.
- c) Differentiate root user and non-root user accounts in Linux.
- 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 statement in PHP.
- l) Differentiate GET and POST methods.

PART – B

Unit – I

2. a) List and explain in brief any five Linux Packaged Distributions.
- b) Explain :
 - i) man
 - ii) locate
 - iii) more
 - iv) mkdir
 - v) mv
 - vi) in
- c) Explain any four commands associated with processes in Linux.
- d) What is command aliasing ? Explain with example.

(6+6+5+3)

P.T.O.



- 3. a) Assuming a 10GB disk, recommend Linux partitions in it.
- b) Write a brief note on any five file system essentials.
- c) Explain in brief :
 - i) /bin
 - ii) /usr/tmp
 - iii) /boot
 - iv) /var/log
- d) Explain standard shortcuts used with cd command. (5+6+6+3)

Unit – II

- 4. a) Explain the following entries in httpd.conf.
 - i) ScoreBoardFile
 - ii) MaxKeepAliveRequests
 - iii) ServerAdmin
 - iv) DocumentRoot
 - v) DirectoryIndex
- b) Write a note on Apache Modules.
- c) Explain how one can add additional options to directories. Give examples.
- d) What is Virtual Hosting ? Explain Name based Virtual Host. (5+5+5+5)
- 5. a) Write a note on Apache2 installation process.
- b) Explain IP based Virtual Host with suitable example.
- 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.
 - i) CREATE TABLE
 - ii) INSERT
 - iii) DELETE
 - iv) 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
 - i) mysql_connect()
 - ii) mysql_connect_db()
 - iii) mysql_query()
 - c) Explain mail() function with its syntax. Give example.
 - d) Explain for each with syntax and example. (6+6+4+4)
-