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BCACAC 318

**Credit Based Fifth Semester B.C.A. Degree Examination, May/June 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 of Part – B.

PART – A

1. a) Differentiate root user and non-root user accounts in Linux. (10×2=20)
b) List any four popular Linux packaged distributions.
c) Differentiate locate and find commands.
d) List any two important features of Apache.
e) What is the use of .htaccess files ?
f) How do you verify integrity of downloaded Apache Web Server ?
g) Differentiate GET and POST methods.
h) Differentiate process and daemons.
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 `/tmp` and `/var/tmp`.

PART – B

Unit – I

2. a) Explain in brief any five Linux Packaged Distributions.
b) Explain :
i) man
ii) grep



- iii) pwd
 - iv) mkdir
 - v) mv
 - vi) ls.
- c) Explain any four commands associated with processes in Linux.
- d) What is command aliasing ? Explain with example. (6+6+5+3)
3. a) Write a note on Linux partition size.
- b) List 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+5+6+4)

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 configuring Apache Web Server.
- c) Explain how one can add additional options to directories ? Give examples.
- d) Explain name based Virtual Host and IP based Virtual Host in brief. (5+4+5+6)
5. a) Write a note on Apache modules.
- b) Give a sample httpd.conf configuration file for the LAMP framework.
- c) List any five values to the options directives.
- d) Write a note on Apache2 installation process. (5+5+5+5)



Unit – III

6. a) Explain the execution of a CGI program with the help of diagram and example.
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) Explain Server Side Internet Architecture of Apache with a neat diagram. (5+5+5+5)
7. a) Explain the request/response Internet paradigm with a neat diagram.
b) Explain Installation and Configuration of PHP.
c) Explain with example the following MySql commands :
 - i) CREATE TABLE
 - ii) INSERT
 - iii) DELETE.
- d) Write a note on granting privilege for a new user on a database in MySQL. (5+5+6+4)

Unit – IV

8. a) Explain with syntax and example while and do.. while statements in PHP.
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) Write a note on arrays in PHP. (6+5+5+4)
 9. a) List and explain any five file handling functions in PHP.
b) Explain how to establish connection to database and execute query on database in PHP ? Give example.
c) Explain phpinfo() function with all its output options.
d) Explain for each with syntax and example. (5+6+5+4)
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