

Reg. No.

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**BCACAC 318**



**Credit Based Fifth Semester B.C.A. Degree Examination,  
November/December 2015  
(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) Expand :

**(10×2=20)**

- i) apt
- ii) RPM.
- b) Differentiate root user and non-root user accounts in Linux.
- c) Write the usage of the following commands :  
Chown and Chmod.
- d) List any two important features of Apache.
- e) How do you verify integrity of downloaded Apache Web Server ?
- f) List the different options of phpinfo() function.
- g) List any four features of PHP.
- h) Differentiate GET and POST methods.
  - i) What is the difference between DESCRIBE and SHOW TABLES command on MySQL ?
  - j) Explain list() function in PHP.
  - k) Differentiate include() and require() functions.
  - l) Explain session variable.



## PART – B

## Unit – I

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

b) Explain the following :

- i) grep
- ii) who
- iii) pwd
- iv) ls
- v) man
- vi) mkdir.

c) Write a note on Linux partition sizes.

d) What is command aliasing ? Explain with an example.

(6+6+5+3)

3. a) Explain standard shortcuts used with cd command.

b) Distinguish the following :

- i). locate and find
- ii) cp and mv
- iii) /bin and /usr/bin.

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

d) Explain in brief :

- i) kernel
- ii) /etc
- iii) /boot
- iv) /usr/lib.

(3+6+5+6)

## Unit – II

4. a) Explain the following entries in httpd.conf file

- i) ServerType
- ii) ServerAdmin
- iii) ScoreBoardFile.

b) Write a note on Apache2 installation process.

c) Explain Name based Virtual Host.

d) List any five values to the options directives.

(6+5+4+5)

5. a) List and explain any five options directives.

b) Write a note on Apache Modules.

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

d) Explain IP based Virtual Host.

(5+5+5+5)



**Unit – III**

6. a) Explain the execution of a CGI program with the help of diagram and example.  
b) What is BLOB ? List different types of BLOBs.  
c) Explain the following commands in MySQL :  
    i) CREATIVE TABLE  
    ii) INSERT  
    iii) UPDATE  
    iv) DELETE.  
d) Explain installation and configuration of PHP. (5+3+8+4)
7. a) Explain Server side Internet architecture of Apache with a neat diagram.  
b) Write a note on MySQL datatypes.  
c) Explain the various clauses of SELECT command in MySQL.  
d) List benefits and drawbacks in running PHP as Server Side Scripts. (5+5+4+6)

**Unit – IV**

8. a) Write a note on :  
    i) strings  
    ii) for each statement.  
b) Explain mail() function with its syntax and example.  
c) Explain user defined functions in PHP.  
d) What is a cookie ? Explain how to create and retrieve cookies in PHP. (6+4+5+5)
9. a) Explain the following :  
    i) assignment operators  
    ii) switch statement.  
b) Explain the following functions with syntax :  
    i) mysql\_query()  
    ii) mysql\_connect()  
    iii) mysql\_db().  
c) Explain PHP server variables.  
d) Explain the following :  
    i) fopen()  
    ii) fwrite(). (5+6+3+6)