

Reg. No.

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**BCACAC 318**

**Credit Based Fifth Semester B.C.A. Degree Examination, April 2021**  
**(Semester Scheme)**  
**Elective Stream – II : LAMP TECHNOLOGY**  
**(Common to all Batches)**

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

(10×2=20)

1. a) Expand
  - i) APT
  - ii) YaST.
- b) What is RPM ? What is its use ?
- c) Differentiate process and daemons.
- d) What are the two versions of Apache ?
- e) How do you verify integrity of downloaded Apache Web Server ?
- f) What is request/response communication paradigm ?
- g) What is a PHP file ? List any two features.
- h) What is a BLOB ? Write any two types of BLOBs available in MySQL.
- i) What is the difference between the use of single quotes (') and double quotes (") in PHP ?
- j) How to concatenate strings in PHP ? Give example.
- k) Differentiate GET and POST methods.
- l) Which function is used to create a cookie in PHP ? Give its syntax.

P.T.O.



## PART – B

## UNIT – I

2. a) Explain in brief any five Linux Packaged Distributions.
- b) Explain in brief :
- i) ln
  - ii) mv
  - iii) locate
  - iv) chkconfig
  - v) which, where.
- c) List any seven File System Essentials.
- d) Explain standard shortcuts used with cd command. **(5+5+7+3)**
3. a) Explain in brief
- i) man
  - ii) pwd
  - iii) grep
  - iv) more
  - v) mkdir.
- b) Write a note on owner, group, permissions and ownership.
- c) Assuming a 1,0GB disk, recommend Linux partitions in it.
- d) What is command aliasing ? Explain with example. **(5+4+8+3)**

## UNIT – II

4. a) Write a note on Apache2 installation process.
- b) Explain how one can add additional options to directories. Give examples.
- c) What is virtual hosting ? Explain IP based and Name based Virtual Host. **(5+5+10)**
5. a) Write a note on configuring Apache Web Server.
- b) Write a note on Apache Modules.
- c) Explain any five important entries in httpd.conf file. **(5+5+10)**



UNIT – III

6. a) Explain with example the following MySQL commands :
- i) CREATE TABLE
  - ii) INSERT.
- b) List benefits and drawbacks in running PHP as Server Side Scripts.
- c) Explain Server Side Internet Architecture of Apache with a neat diagram.
- d) Write a note on installing and configuring PHP. **(6+6+4+4)**
7. a) Explain with example the following MySQL commands :
- i) UPDATE
  - ii) DELETE.
- b) Explain the execution of a CGI program with the help of a diagram and example.
- 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. **(6+6+4+4)**

UNIT – IV

8. a) Explain mail() function with its syntax. Give example.
- b) Explain the following functions with syntax :
- i) fopen()
  - ii) fread()
  - iii) fwrite().
- c) Explain the following statements with syntax and example :
- i) switch
  - ii) while.
- d) Write a note on comparison operators in PHP. **(5+6+6+3)**



9. a) What is the need of validation of form information ? How it is done in PHP ?  
Give an example.
- b) Explain the following functions with syntax :
- i) `mysql_connect()`
  - ii) `mysql_select_db()`
  - iii) `mysql_query()`.
- c) Explain the following statements with syntax and example :
- i) `foreach`
  - ii) `if`.
- d) Write a note on arrays in PHP. (5+6+6+3)
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