Reg. No. [ ][ ][ ][ ][ ][ ][ ]

BCACAC 318

V Semester B.C.A. Degree Examination, October/November 2019

(Credit Based Semester Scheme)

(Common to All Batches)

Elective Stream – II

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

1. Answer **any ten** of the following :   (10 × 2 = 20)

    (a) Expand RPM and CLI.

    (b) Differentiate process and daemons.

    (c) What is a PHP file? List any two features.

    (d) Explain $_SERVER variable. List any two options of it.

    (e) Differentiate GET and POST methods.

    (f) Give commands to create database and tables in MySQL.

    (g) Differentiate echo and print statement in PHP.

    (h) What is request/response communication paradigm?

    (i) What is BLOB? List different types of BLOBs available in MySQL.

    (j) Write the usage of chmod and chown commands.

    (k) Differentiate include ( ) and require ( ) functions.

    (l) Give syntax of date ( ) function in PHP.

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PART – B

UNIT – I

2. (a) Explain any five Linux packaged distributions.

    (b) Explain following File system essentials :
        (i)   /root
        (ii)   /var/tmp/
        (iii) /boot
        (iv)   /usr/src
        (v)   /mnt
        (vi)   /dev

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

    (d) Explain standard shortcuts used with *cd* command. **(5 + 6 + 6 + 3)**

3. (a) Explain any four commands associated with processes in Linux.

    (b) Explain the following :
        (i)   /home
        (ii)   /etc
        (iii) /sbin
        (iv)   /proc

    (c) Distinguish the following :
        (i)   locate and find
        (ii)   cp and mv
        (iii) who and pwd

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

UNIT – II

4. (a) List and explain any five important entries in httpd.conf file.

    (b) Write a note on Apache Modules.

    (c) Give a sample httpd.conf configuration file for the LAMP framework. **(10 + 5 + 5)**

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

   (b) What is virtual hosting? Explain IP based and Name based virtual hosting.

   (c) Write a note on Apache2 installation process. **(5 + 10 + 5)**

UNIT – III

6. (a) List benefits and drawbacks in running PHP as Server Side Script.

   (b) Write note on MySQL data types.

   (c) Explain Server Side Internet architecture of Apache with a neat diagram.

   (d) Explain the execution of a CGI program with the help of diagram and example. **(5 + 5 + 5 + 5)**

7. (a) Explain with example the following MySQL commands.
   (i) Create
   (ii) Insert
   (iii) Update
   (iv) Order
   (v) Delete

   (b) Explain different ways in which SELECT commands is used in MySQL.

   (c) Write a note on how to create, use and grant permission for a new user on a database in MySQL. **(10 + 5 + 5)**

UNIT – IV

8. (a) Explain phpinfo( ) function with all its output options.

   (b) Explain how to establish connection to database and execute query on database in PHP. Give example.

   (c) Write a note on arrays in PHP.

   (d) What is a cookie? Explain how to create and retrieve cookies in PHP. **(5 + 5 + 5 + 5)**

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9. (a) List and explain any three file handling functions in PHP.

(b) Explain mail( ) function with example.

(c) Explain the following functions with syntax.

  (i) mysql_connect( )

  (ii) mysql_connect_dt( )

  (iii) mysql_query( )

(d) Explain for each with syntax and example. **(6 + 4 + 6 + 4)**