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**Reg. No. :** .....

**Code No. : 8082**

**Sub. Code : BCAM 23**

M.C.A. (CBCS) DEGREE EXAMINATION,  
APRIL 2021.

Second Semester

Computer Applications — Core

OPEN SOURCE TECHNOLOGY

(For those who joined in July 2020 onwards)

Time : Three hours

Maximum : 75 marks

PART A — ( $10 \times 1 = 10$  marks)

Answer ALL questions.

Choose the correct answer :

1. What is the default number of shell commands saved in the history in list of .cshrc file?
  - (a) 200
  - (b) 100
  - (c) 150
  - (d) 175

2. The advantage of using NFS rather than Samba for file sharing in Linux is \_\_\_\_\_.
  - (a) files saved as .tar extension
  - (b) compressed files
  - (c) compatibility with windows file sharing
  - (d) none of the above
3. Find command can search for files by \_\_\_\_\_.
  - (a) date                      (b) size
  - (c) name                      (d) all of above
4. How can we find the current value for shell variables?
  - (a) set command              (b) display command
  - (c) val command              (d) curval command
5. \_\_\_\_\_ is a server-side scripting language that allows your web site to be truly dynamic.
  - (a) PHP                      (b) Java
  - (c) SQL                      (d) ActiveX
6. The values assigned to constants are defined with the PHP function \_\_\_\_\_.
  - (a) Assign()                  (b) define()
  - (c) Equal()                  (d) Store()

7. \_\_\_\_\_ function rounds a decimal up to the next highest integer.
- (a) floor() (b) found()  
(c) rand() (d) ceil()
8. PHP is denoted in the page with opening and closing tags as \_\_\_\_\_.
- (a) <?php ?> (b) ?<php>?  
(c) <php> (d) ?php?
9. \_\_\_\_\_ function sorts the array in descending value.
- (a) resort() (b) dsort()  
(c) sort() (d) assort()
10. \_\_\_\_\_ return the value of the current element.
- (a) pos() (b) list()  
(c) range(low, high) (d) sizeof()

PART B — ( $5 \times 5 = 25$  marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Distinguish between the Linux and Unix.

Or

- (b) Explain the pipes and redirection in Linux programs.

12. (a) Describe the *printf*, *fprintf* and *sprintf* in Linux.

Or

- (b) Write down the use of environment variables in Linux.

13. (a) What is MySQL? Explain.

Or

- (b) Summarize the client-side technologies in PHP.

14. (a) Describe the syntax and example of GET arguments in PHP.

Or

- (b) Explain the purpose of string cleanup functions in PHP.

15. (a) Write down the making MySQL queries in PHP.

Or

- (b) What are the MySQL functions? Explain.

PART C — ( $5 \times 8 = 40$  marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss the shell as a programming language.

Or

- (b) Explain the for loop syntax and example in Linux programming.

17. (a) Illustrate the scanning directories in Linux.

Or

- (b) Elaborate the reading from and writing to the terminal.

18. (a) Discuss the C-style multiline comments in PHP.

Or

- (b) Explain the Switch statement in PHP with simple example.

19. (a) Illustrate the need of multidimensional arrays in PHP.

Or

- (b) Elaborate the various types of case functions in PHP.

20. (a) Compare the HTML tables and database tables.

Or

- (b) How will you edit data with an HTML Form?  
Give example.
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