

(6 pages)

Reg. No. :

Code No. : 7200

Sub. Code : PCSM 22

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Second Semester

Computer Science — Core

OPEN SOURCE TECHNOLOGY

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The environment variable \$# denotes
 - (a) name of the shell script
 - (b) number of parameters passed
 - (c) process ID of the shell script
 - (d) additional input
2. What command is used with vi editor to save file and remain in the editing mode?
 - (a) :ws
 - (b) :wq
 - (c) :q
 - (d) :w

3. What does GNU stand for?

- (a) GNU's not Unix
- (b) General Needed Unix
- (c) General Unix
- (d) General Noble Unix

4. Which command is used to remove the directory?

- (a) rm
- (b) rmdir
- (c) remove
- (d) delete

5. What will be the output of the following php code?

```
<?php
$num=1;
$num+=2;
print $num . "+". $num;
?>
```

- (a) 3
- (b) 1 + 2
- (c) 1. + .2
- (d) Error

6. What will be the output of the following PHP code?

```
<?php
$a = 5;
$b=5;
echo ($a === $b);
?>
```

- (a) 5 === 5
- (b) Error
- (c) 1
- (d) False

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7. chop() function
- (a) returns its string argument with both leading and trailing whitespaces removed
 - (b) returns its string argument with leading whitespaces removed
 - (c) returns its string argument with trailing whitespaces removed
 - (d) replace target substrings with another string
8. When you use the \$_GET variable to collect data, the data is visible to
- (a) none
 - (b) only you
 - (c) selected few
 - (d) everyone
9. In PHP, _____ terminates the script and returns a string.
- (a) error()
 - (b) die()
 - (c) terminate()
 - (d) break()
10. Which MySQL function returns row as an enumerated array?
- (a) mysql_fetch_enum
 - (b) mysql_fetch_array
 - (c) mysql_fetch_tuple
 - (d) mysql_fetch_row

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PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain how to enter and execute a C program in LINUX OS.

Or

- (b) What is a shell?

12. (a) Explain the functions used for scanning directories.

Or

- (b) How to read from and write to the Terminal?

13. (a) Illustrate the strengths of PHP & MySQL.

Or

- (b) Explain the output statements available in PHP.

14. (a) Explain arrays in PHP.

Or

- (b) Illustrate the use of mathematical functions in PHP with examples.

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[P.T.O.]



15. (a) Explain with an example how to establish a connection to a database.

Or

- (b) How to create databases with PHP? Explain with example.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Describe the usage of the following functions with their syntaxes :

- (i) fopen, fclose
- (ii) fflush, fseek
- (iii) fread and fwrite.

Or

- (b) Explain :

- (i) Output redirection.
- (ii) Input redirection
- (iii) Pipes.

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17. (a) Explain formatted input and output functions with examples.

Or

- (b) Discuss the usage of Environment variables in detail.

18. (a) Give an account on Control structures in PHP.

Or

- (b) What is a function? How will you define it in PHP? Write about scope of a variable.

19. (a) Distinguish between GET and POST arguments with examples.

Or

- (b) Explain any 8 string functions with examples.

20. (a) Explain with example how to display the contents of a database in a HTML table.

Or

- (b) Discuss the MySQL functions used for fetching datasets with examples.

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