Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 13219

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2012.

Sixth Semester

080230027 – OPEN SOURCE SOFTWARE

(Regulation 2008)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the advantages of open source software.

2. What is the difference between kernel mode and user mode?

3. How to create a table in MySQL when it does not exist?

4. How to create a new user in MySQL database server?

5. List the different data types supported in PHP.

6. Using while loop write a php code to display 1 to 5.

7. List the dictionaries operations in python.

8. What is the difference between tuple and list in python?

9. Highlight the features of perl.

10. What is the use of ARGV in perl?

PART B — (5 × 16 = 80 marks)

11. (a) (i) List any eight file related commands in Linux and explain their features.   (8)

    (ii) Discuss the different types of file systems in Linux.   (8)

Or

    (b) (i) List any eight Linux signals and highlight their features.   (8)

    (ii) Explain the scheduling mechanisms in Linux.   (8)

12. (a) (i) List any four string related functions in MySQL and explain its syntax. (8)

    (ii) How to use MySQL left join to select data from multiple tables? Explain. (8)

Or

(b) (i) What is metadata in MySQL? How to obtain it and use it? Explain. (8)

    (ii) Explain the process of sorting the Query results in MySQL. (8)

13. (a) (i) Explain the process of uploading files to the server in php. (8)

    (ii) How will you use PHP to access data from MySQL? (8)

Or

(b) (i) Explain the process of sending an email with php. (8)

    (ii) Explain debugging and error handling process in php. (8)

14. (a) (i) Write a python program to print Fibonacci series. (8)

    (ii) How to use python as a calculator? Explain with any two examples. (8)

Or

(b) (i) Explain the error and exception handling mechanisms in python. (8)

    (ii) Write python code to create an account object with two functions. (8)

15. (a) (i) List and explain the control structures in perl. (8)

    (ii) List and explain the various file operations in perl. (8)

Or

(b) Explain the data manipulation functionalities provided by perl.

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