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Question Paper Code : 41150

B.E/B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Sixth Semester

Computer Science and Engineering

080230027 — OPEN SOURCE SOFTWARE

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate Free Software and Open Software.
2. List the 'ps' command options.
3. What is the significance of MySQL?
4. How to apply COLLATE operator?
5. What is a PHP File?
6. How to split an array into chunks of two using PHP Array functions?
7. Write a Python program that computes the factorial of an integer.
8. List out some useful dictionary methods in Python.
9. What makes Perl different?
10. How to read a variable from a keyboard in Perl?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the following:
 - (i) Need of Open Source (6)
 - (ii) Advantages of Open source (5)
 - (iii) Application of Open Source. (5)

Or

- (b) How to configure Linux Systems? Explain in detail.

12. (a) (i) Illustrate with an example program to connect, execute a query, print resulting rows and disconnect from a MySQL database. (8)
(ii) How to use Sequences in MySQL? Explain in detail. (8)

Or

- (b) How to create a simple web application using MySQL Database? Explain it.
13. (a) (i) How to send an email with PHP? (5)
(ii) Show with an example, how switch statement is handled in PHP? (11)

Or

- (b) Explain in detail how functions are handled in PHP with suitable Program.
14. (a) How to handle Lists and Tuples with Python? Illustrate with sample code.

Or

- (b) Demonstrate the Stack operations using Python Classes.
15. (a) Explain Perl Parsing rules with necessary sample programs.

Or

- (b) Discuss in detail all the file handling operations in Perl with suitable Perl Programs.
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