B.TECH. DEGREE EXAMINATIONS: APRIL/MAY 2012

Sixth Semester

INFORMATION TECHNOLOGY

CSE121: Open Source Software

Time: Three Hours   **Maximum Marks: 100**

Answer All Questions:-

PART A (10 x 1 = 10 Marks)

1. Which is not a flavour of Linux?

    a) Fedora Core   b) Mandrake   c) Knopy   d) Suse

2. A signal is a limited form of _____ communication used in UNIX, Unix-like

    (Linux), and other POSIX-compliant operating systems.

    a) intra-process   b) inter-process   c) Multi-process   d) Uni-process

3. What is not feature of MySQL?

    a) Multi-threading   b) Join optimizer with one-sweep multi-join

    c) All columns have default values   d) Very fast TV-tree disk tables

4. In MySQL search order will be

    a) localhost/root, localhost/any, any/Jeffrey, any/root

    b) localhost/root, localhost/any, any/root, any/Jeffrey

    c) localhost/any , localhost/root, any/Jeffrey, any/root

    d) localhost/any, localhost/root, any/root, any/Jeffrey

5. How do you get information from a form that is submitted using the "get" method?

    a)$_GET[];   b)Request.Form;   c)Request.QueryString;   d)$_POST[];

6. $str="3dollars";

    $a=20;

    $a+=$str;

    print($a);

    ?>

    What is the Output?

    a) 23dollars   b) 203dollars   c) 320dollars   d)23

7. The _____ class of the cgi module has all that is needed to handle

    submitted forms in Python.

    a) TextStorage   b) InputStorage   c) FieldStorage   d) None of the above

8. _____ tool is to perform static analysis in Python.

   a) PyStat   b) PyChecker   c) Pylint   d) PyAnalysis

9. In PERL, command-line arguments are stored in _____

   a) Stack named @ARGV   b) Stack   c) Array   d) Array named @ARGV

10. In PERL is known as _____language.

   a) write only   b) read only   c) read and write   d) executable

PART B (10 x 2 = 20 Marks)

11. Compare Open Source Software, Freeware and Proprietary Software.

12. State the advantages of Cloning.

13. Write a MySQL query to delete a particular column from table. Give example

14. How will you generate summary in MySQL?

15. What does a PHP do?

16. What do you mean silent error handling mode in PHP?

17. What is a Python object? Give examples.

18. How do you create and assign dictionaries in python?

19. What arguments do you frequently use for the PERL interpreter and what do they mean?

20. What are the difference between for & foreach, exec & system in PERL?

PART C (5x 14 = 70 Marks)

21. a) (i) State and explain Advantages of Open Source Software.   (7)

     (ii) Discuss the various modes in Linux.   (7)

(OR)

   b) (i) What is a Process? Why it needs to be scheduled?   (4)

     (ii) Explain how the processes are being scheduled in Linux.   (10)

22. a) (i) Write short notes about Starting, Terminating and writing SQL programmes.   (4)

     (ii) Explain various data types of MySQL.   (10)

(OR)

   b) (i) Explain record selection technology in MySQL.   (10)

     (ii) Write short notes on generating summary in MySQL.   (4)

23. a) (i) Write short notes on functions in PHP.   (7)

     (ii) Write a PHP code to copy the content of one file to another file.   (7)

(OR)

b) Create a student database containing student details such as roll number, name, and marks in MySQL. Write a PHP program to manipulate student database and display average marks of each student.

24. a) (i) Write a program in Python to read, write and append contents to a file. (7)

    (ii) Explain any two sequence types in Python with examples. (7)

(OR)

  b) (i) How do you define a function Python? ? Explain how you will call a function in Python with suitable example. (7)

    (ii) Define the Python module. Explain the importing module and its features. (7)

25. a) (i) Explain about control structures used in PERL. (10)

    (ii) Summarize the execution process of PERL Script. (4)

(OR)

  b) (i) State the basic rules applied for naming the PERL variables. (4)

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