

PART B (10 x 2 = 20 Marks)
(Answer not more than 40 words)

11. What is the difference between kernel mode and user mode?
12. Describe the function of clone() in Linux.
13. List down the various string types available in MySQL.
14. Write down any four Date and Time functions available in MySQL.
15. Write a PHP program to change the background color of a webpage based upon the day generated by system date.
16. What do you mean by serialization in PHP?
17. Distinguish between tuple and list in python.
18. Compare sequence type and mapping type in Python.
19. Explain about any four file test operators in Perl.
20. Describe any four data manipulation functions in PERL with examples.

PART C (5 x 14 = 70 Marks)
(Answer not more than 400 words)

Q.No. 21 is Compulsory

21. Discuss about process scheduling in Linux.

22. (a) Discuss about the various data types and operators available in MySQL with examples.

(OR)

(b) Explain how a MySQL database table is created with sequence number attribute and how to sort query results.

23. (a) Mention any five security threats that are possible in PHP and explain how it can be prevented.

(OR)

(b) Describe about
(i) Error Handling (8)
(ii) Regular expressions in PHP (6)

24. (a) Write a python code to perform the following operations (7 + 7)
a) To invert a dictionary
b) Check for duplicate existence

(OR)

(b) Discuss about files and exception handling in Python with examples

25. (a) Explain about the various control structures available in Perl with examples

(OR)

(b) Discuss about subroutines, packages and modules in Perl with examples
