**PART – A**

**Choose the correct answer:**

1. The Rotating Wheel Calculator was developed in the year:
   a) 1642 AD        b) 1614 AD        c) 1633 AD        d) 1822 AD
2. The radix of a hexadecimal system is…
   a) 2              b) 8              c) 10             d) 16
3. Which is a Non-impact printer?
   a) Line           b) Inkjet         c) Serial         d) Dot-Matrix
4. The prompt for the root user is:
   a) $              b) %              c) #              d) &
5. In Which year the ISO proposed protocol known as OSI?
   a) 1798           b) 1978           c) 1974           d) 1976
6. Which of the following protocol is used for the net user for transferring files around the world?
   a) Telnet         b) FTP            c) TCP            d) HTP
7. Which key is used for moving the cursor to the top of the document?
   a) Ctrl + Home    b) Shift + Home   c) Alt + Home     d) Home
8. Which keyboard shortcut is used to selects all the objects in the current folder?
   a) Ctrl + S       b) Alt + A        c) Ctrl + A       d) Shift + A
9. A file path can consists of how many types?
   a) 2              b) 3              c) 4              d) 5
10. Which option is used to displays and sub-directories in the reverse order?
    a) –r             b) –R             c) –F             d) -a
11. Consider the following snippet:
    ```c
    int x, i;
    i=10; x = ++i;
    printf("%d", i);
    ```
    a) 10              b) 11              c) 12              c) 20
12. How many bytes are required for double data type?
    a) 8              b) 4              c) 2              d) 1
13. Which of the following tag has two segments such as selector and a property?
    a) Meta           b) Font           c) Style          d) bgsound
14. WYSIWYG stands for:
    a) What Your See Is Why You Get
    b) What You See Is What You Get
    c) Why You See Is Why You Get
    d) What You See Is Why You Get
15. Which of the following view is used to list the navigation order of the site allow to change the order that a user would view the pages?
    a) Folders
    b) Navigations
    c) Reports
    d) Explorers
PART – B

Answer any Six questions. Question No. 24 is compulsory: 6 x 2 = 12

16. What is meant by peripheral devices?
17. Do the following binary arithmetic operations. 10₁₀ + 15₁₀
18. What are registers?
19. Give the truth table of XOR gates for the two inputs.
20. What is meant by Job Scheduling?
21. Write the steps to shut down the computer.
22. What is the purpose of echo command?
23. What is string literal?
24. List out the Unary Operators.

PART – C

Answer any Six questions. Question No. 32 is compulsory: 6 x 3 = 18

25. a) What is an analog computing system?
   b) What is a lap-top computer?
26. Prove: ( A + B ) ( A + C ) = A + B C
27. Write the essentials of the stored program concept.
28. How AND gate can be realized using NOR gate?
29. What is TCP / IP?
30. List out the rules for changing password in Linux system.
31. What are the properties of an algorithm?
32. How is pointer variable is differ from ordinary variable?
33. Explain any four punctuators in C.

PART – D

Answer All the following: 5 x 5 = 25

26. Discuss the important features of and uses of Micro, Mini, Mainframe and Super computers.
   OR
   List a few commonly used Input / Output devices and explain them briefly.
27. Explain Half Adder.
   OR
   Explain the Process Management.
28. Explain the different types of network topology.
   OR
   Explain the features of Windows XP.
29. Explain the switch statement in C.
   OR
   Explain while and do…while statement with proper example.
30. Explain the features of Linux.
   OR
   Explain for loop with proper example.