STD: 11th
COMPUTER SCIENCE
PART -A

Answer all the questions: 15 x 1 = 15

1. Who invented slide Rule?
   a) John Napier   b) Charles Babbage   c) William Oughtred   d) Blasie Pascal

2. ASCII stands for
   c) American Stand Code for Interchange Information. d) American Study Code for interchange Information.

3. 1 kilo byte=_____bytes.
   a) $2^8$   b) $2^{10}$   c) $2^{14}$   d) $2^{20}$

4. Which light is used to erase the contents of the EPROM?
   a) X-ray   b) 0 Blue 0 ray   c) Ultra Violet   d) Computer

5. The smallest dot that can be displayed on the monitor is called a ______________
   a) Pixel   b) Dot   c) Resolution   d) Image

6. A Full Adder can be constructed from two______ and ________
   a) Full adder, OR Gate   b) Half adder, OR Gate   c) Full adder   d) Half adder

7. DOS is an example for
   a) Hardware   b) Input
   c) Application software   d) System software

8. _______ hardware is used for data transmission.
   a) Network Interface Card (NIC)   b) Ethernet
   c) Arc Net   d) Token Ring

9. Windows XP uses a ______
   a) GUI   b) CUI
   c) LUI   d) None of the above

10. You can close the WordPad applications by clicking on Exit in the________
    a) File Menu   b) Home Menu
    c) Insert Menu   d) View Menu

11. ________key combination is used to close active
    a) Alt+F1   b) Alt+F4
    c) Ctrl+F1   d) Ctrl+F4

12. End of file is given by ______-
    a) Ctrl + F   b) Ctrl + A
    c) Alt + D   d) Ctrl + D

13. The symbol used for ternary operator is ______
    a) ?=   b) =?
    c) ?:   d) :?

14. what is the output of the following program?
    int i=2;
    while ( i<5)
    {
        printf("+");
        ++i;
    }
    a) +++
    b) ++++
    c) ++++
    d) ++

15. The tags __________are not having closing tags
    a) <br>
    b) <meta>
    c) <li>
    d) All the above
PART – B

Answer any six questions. Question No. 24 is compulsory

16. Convert into binary \((777)_{10}\)
17. What are the functional units of a computer system?
18. Why NAND and NOR gates are called universal gates?
19. How OR gate can be realized using NAND gate?
20. What is the role of ALU?
21. What is the Clipboard? How is it used? Explain
22. How do you create a new folder?
23. Give two important differences between the flow chart and the pseudo code
24. What are the different types of lists offered by HTML?

PART – C

Answer any six questions. Question No. 32 is compulsory

25. Difference between Data and Information
26. What is the advantage of EEPROM over EPROM?
27. Simplify the following Boolean expression
\[ \overline{A} \overline{B} \overline{C} + \overline{A} B C + A \overline{B} \overline{C} + A B C \]
28. Write the levels of security management.
29. List the general types of networks used today.
30. Distinguish between CD-RW and CD-R?
31. What is the difference between the commands rm-r and rmdir?
32. Write the Storage classes provided by “C”
33. Write the components of the function prototype

PART – D

Answer all questions: 5 x 5 = 25

34. Write in detail about computer software and their categories.
   (OR)
   List a few commonly used input / output devices and explain them briefly
35. What are the different types of logic gates? Explain with the help of truth tables and give an example for each gate
   (OR)
   Draw the truth table of the Boolean Expression \( (A^{-} + B^{-} + C^{-}) \)
36. Explain process management with algorithm
   (OR)
   Explain Transmission Mode with example
37. What is the Control Panel? Describe briefly some of the icons found on the Control Panel.
   (OR)
   What does cat command do? Write and discuss all the variations of cat command.
38. Explain Control Statements with syntax.
   (OR)
   Draw a flowchart to read 100 numbers and find their average