CHRIST THE KING MATRICULATION HR. SEC. SCHOOL, KUMBAKONAM – 612 001.

STD: XI   **MARKS: 50**
SUB: COMPUTER SCIENCE   **TIME: 1.30 MINS**

I – MID TERM TEST
PART – I

I. CHOOSE THE CORRECT ANSWER: **10*1=10**

1. In ATM machines, which one of the following is used?
   a) Touch Screen   b) Speaker   c) Monitor   d) Printer
2. _____ printers are capable of printing much more than 1000 Lines Per Minute.
   a) Line Matrix   b) Inkjet   c) Laser   d) Dot Matrix
3. 2^{50} is referred as _____.
   a) Kilo   b) Tera   c) Peta   d) Zetta
4. The A+1 is equals to _____.
   a) 0   b) 1   c) A   d) $\overline{A}$
5. _____ is manufactured as a blank memory.
   a) ROM   b) PROM   c) EPROM   d) EEPROM
6. What is the capacity of 12cm diameter DVD with single sided and single layer?
   a) 4.7 GB   b) 5.5 GB   c) 7.8GB   d) 2.2 GB
7. Software is classified into _____ types.
   a) 3   b) 4   c) 5   d) 2
8. Interactive Operating System provides _____.
   a) Graphics User Interface (GUI)   b) Data Distribution
   c) Security Management   d) Real Time Processing
9. The Shortcut Key used to rename a file in Windows?
   a) F2   b) F4   c) F5   d) F6
10. A _____ is a section of the screen used to display the contents of a document.
    a) Window   b) Application Window   c) Document Window   d) None of these

PART – II

II. ANSWER ANY 5 QUESTIONS: (Q.No.13 Compulsory)   **5*2=10**

11. Write the characteristics of sixth generation.
12. Define Speaker and Multimedia Projector
13. Write the 1's complement number and 2's complement number for $(-65)_{10}$ decimal numbers
14. What is Microprocessor?
15. What is the Classification of Microprocessors based on data width?
16. What are the Advantages of Distributed Operating System?
17. Define Multitasking and Desktop
18. What are the Mouse actions?

PART – III

III. ANSWER ANY 5 QUESTIONS: (Q.No.20 Compulsory)   **5*3=15**

19. What are the types of Booting?
20. Write a note on the following: a) Digital Camera   b) Bar Code Reader   c) Scanner
21. Convert $(150)_{10}$ into Binary, then convert that Binary number to Octal
22. Write a short note on XNOR gate.
23. Differentiate CD and DVD
24. What are the Levels of Security provided to the user by OS?
25. What are the Functions of Windows Operating System?
26. Write the two ways to create a new folder.

PART – IV

IV. ANSWER THE FOLLOWING QUESTIONS: **3*5=15**

27. a) Explain the basic components of a computer with a neat diagram?
                                       [OR]
    b) Perform the following binary arithmetic
    i) Add $1101010_2 + 101101_2$ ii) Subtract $1101011_2 – 111010_2$

28. a) Explain the Fundamental Gates with Truth Table and Symbol?
                                       [OR]
    b) Explain the types of ROM?

29. a) Explain the Algorithms that are used to allocate the Job?
                                       [OR]
    b) Explain the versions of Windows Operating System.

// ALL THE BEST