

S.B.O.A.MATRICULATION & HR.SEC.SCHOOL,CHENNAI-101.

STD : XI

COMPUTER SCIENCE

MARKS : 150

Part – I (2 marks)

I WRITE ALL THE QUESTIONS

35 x 2 = 70

1. What is meant by Computer?
2. What is meant by peripheral devices?
3. Define Operating System?
4. Write a note on laptop computer?
5. Do the following conversions
 - a) $2C_{16} \rightarrow (?)_{10}$
 - b) -27_{10} as an 8 bit 2's complement
6. Convert 95_{10} to binary using sum of power of 2 method
7. Write a note on minterm?
8. Write a note on Essentials of stored program concept?
9. Write a note on Bus?
10. Write a note on Memory Access Time?
11. Write a note on Registers?
12. Why NAND and NOR gates are called universal gates?
13. What is meant by Flipflop?
14. Draw the truth table for NAND and XOR gate ?
15. Goals of an operating system?
16. Write a note on spooling?
17. Types of operating system and explain it ?
18. Three level of securities provided to the user by an operating system
19. How will you customize the taskbar ?
20. How will you customize the Desktop ?
21. What is meant by Clipboard ?
22. Write a note on RUN command ?
23. Write a note on Recycle Bin ?
24. Two types of files and explain it ?
25. Categories of windows explorer bar ?
26. Rules for changing a password (any 4) ?
27. Write a note on echo command with suitable example?
28. Write a note on ls command with its meaning ? (any 5)
29. Write a note on man command with example ?
30. Distinguish between mv and cp command ?
31. What is meant by mounting ?
32. Advantages and disadvantages of flowchart ?

33. Write a note on multi-way branching ?
34. Write a note on Tokens?
35. What is meant by array ? with example

Part – II (5 marks)

II WRITE ALL THE QUESTIONS

16 x 5 = 80

1. Explain the Generations of Computer ?
2. Explain the computer based on the configuration ?
3. Explain the software and its types ?
4. Explain the Boolean laws?
5. Simplify the following a) $A'B'C' + A'BC + AB'C'$ b) $A'B'C' + A'B'C + AB'C' + AB'C$
6. Explain the Memories (RAM,etc ...)
7. Explain Characteristics of impact and non-impact printers?
8. Explain the half adder briefly?
9. How will you design a logic circuit? Explain it.
10. Explain in detail about Process and Memory management?
11. How will you create a shortcut ? Explain it .
12. What is control panel? Describe briefly some of the icons found on the control panel.
13. Explain Windows XP features? (any 10)
14. Explain types of users in linux ?
15. Explain linux features ? (any 10)
16. Explain the looping statements with suitable example? (for,while and do.. while)