

# SRI VIDYA VIHAR MATRIC.HR.SEC.SCHOOL

PUDU GOVINDAPURAM, M. C ROAD, AMBUR.TIRUPATHUR DISTRICT-635802.

## XI STD - COMPUTER SCIENCE(Reduced 2021-2022)

### lesson -2

1. What is bit?
2. What is Byte & nibble?
3. What is word length?
4. Write down the computer memory representation?
5. What is ASCII code?
6. Write down the different types of memory classification?
7. Write a note an Binary number System?
8. Write the ASCII value of A to Z a to z, 0 to 9
 

(1) *Blank	(5) &
(2) *#	(6) +
(3) \$	(7) ?
(4) %	(8) @

### lesson -3

9. What a note an Microprocessor?(41)
10. Draw a Block diagram of working system of Microprocessor?(41)
11. What is bus?(43)
12. What are the classification of Microprocessor Based on Data width?(43)
13. What are the classification of Microprocessor Based on instruction set?(43)
14. What are the types of Ram?(44)
15. Write a note on cache memory?

### lesson -4

16. What is software?
17. What are the types of software?(50)
18. What is meant by Application Software?(50)
19. What is meant by System Software?(50)
20. What is operating system?(50)
21. What are the function of operating system?(50)
22. What are popular operating system?(50)
23. What are the types of operating system?(51)
24. Write a note on single user operating system?(51)
25. What are the key feature of operating system?(51)
26. What is user interface?
27. Write short note on GUI?
28. What is memory management?(52)
29. Explain in detail security management?(53){5mark}
30. What are the prominent operator system?

### lesson -4

31. What are the function of operating of system?(57)

Prepared by .

G.TAMIL SELVAN MCA., B.Ed.

Mobile no. 9952729420

# SRI VIDYA VIHAR MATRIC.HR.SEC.SCHOOL

PUDU GOVINDAPURAM, M. C ROAD, AMBUR.TIRUPATHUR DISTRICT-635802.

32. Draw a over view diagram of operator system?(57)
33. Write down some of the function of operator system?
34. What is windows desktop?
35. What is Icons?
36. What is standard Icon's?(60)
37. What is mean by shortcut Icon's?(60)
38. Write a note on disk drive icon's(60)
39. What is window?(61)
40. What is application window (61).
41. What is document window(61)?
42. What are the Element of window(62)?
43. Explain the following ( 5 Marks)
  - (1)Creative files and folder?
  - (2)Moving / Copying files and folder?
  - (3)Finding files and folder?
  - (4)Renaming files and folder?
  - (5)Deleting files and folder?
  - (6)Recycle bin?

### Lesson 1 to 5 Important Five Marks

1. Explain about Generation of Computer.
2. Explain about types of Number System.
3. Convert following decimal number to equivalent Binary Octal Hexadecimal.
4. Convert the given Binary number to its Decimal Octal and Hexadecimal.
  - i)  $10111011_2$     ii)  $1011010_2$
5. Convert the following Octal into Binary.    i) 475    ii) 145    iii) 6347
6. Convert the following Hexadecimal Number to Binary Number.    i) A6    ii) BE    iii) 9BCD
7. Write the 1's Complement Procedure.
8. Write the 2's Complement Procedure.
9. Write the 1's Complement Number and 2's Complement Number for the following decimal number.    i) -13    ii) -65    iii) -46
10. Write the Procedure to Convert Fractional decimal to Binary and Convert (98.46)to Binary
11. Find 1's & 2's Compliment .    i) -98    ii) -135
12. Write down the function of window Operating System.
13. What are the Elements of window?
14. How will you Create File (or) Folder?
15. How will you Find (or) Search the File (or) Folder?
16. How will you Rename File & Folder?
17. How you Move (or) Copy file and folder?

### Lesson - 6

Prepared by .

G.TAMIL SELVAN MCA., B.Ed.

Mobile no. 9952729420

# SRI VIDYA VIHAR MATRIC.HR.SEC.SCHOOL

PUDU GOVINDAPURAM, M. C ROAD, AMBUR.TIRUPATHUR DISTRICT-635802.

All 3 Marks and All 5 Marks

## Lesson – 6

1) What are the Building block of Algorithm?

- ❖ Data
- ❖ Variable
- ❖ Control Flow
- ❖ Function

2)What is Data?

3)What is Variable?

4)What is Control Flow (78)?

5)Type of Control Flow.

- ❖ Sequential Control Flow
- ❖ Alternative Control Flow
- ❖ Iterative Control Flow

6)What are the algorithm design techniques?

- ❖ Specification
- ❖ Abstraction
- ❖ Composition
- ❖ Decomposition

7)Write Specification for an algorithm.

Algorithm name (input)

-----Input iP

-----Input iQ

A double dash—indicates.

---line of Comment

8)Write the Specification of algorithm to Compute the Quotient and remainder after dividing an integer A by B .

divide (A,B)

---input: A is an Integer and B≠0

---Output :  $A=q+Bx$  and  $0 \leq r < B$

9)Write the Specification of algorithm and Computing square root a number

Square root(n).

input: n is real number  $n \geq 0$

Output : Y is real number such that  $y^2=n$

10)What is Abstraction?

Abstraction is the Process of ignoring or hiding irrelevant details and modeling a problem Only by its essential features.

## Lesson – 7

1) Circulate the Contents.

2) Trace the step by step Execution.

Prepared by .

G.TAMIL SELVAN MCA., B.Ed.

Mobile no. 9952729420

# SRI VIDYA VIHAR MATRIC.HR.SEC.SCHOOL

PUDU GOVINDAPURAM, M. C ROAD, AMBUR.TIRUPATHUR DISTRICT-635802.

## Lesson - 8

1) Power can also defined by recursively as

$$a^n = \begin{cases} a \times a^{n-1} \\ a^{n/2} \times a^{n/2} \end{cases}$$

## Lesson - 9

- 1) Explain about tokens.
- 2) Explain about Operator.
- 3) Explain about types of Errors(128).
- 4) Explain C++ program to find the total Mark of three Subject(129).
- 5) Write a program to find the area of circle (129).
- 6) Point Out the Error in the following Program (129).
- 7) Explain about C++ data type.
- 8) What use of Void?
- 9) What is meant by dynamic initialization ?
- 10) How relation Operator and logical Operator related to One another?

## Lesson - 10

- 1) Explain the control Statement (153).
- 2) Write down syntax of the following .
  - if Statement
  - if else Statement
  - Nested if else
  - if else if ladder
- 3) Write the Program to find whether given number is even number or odd number.
- 4) Write a C++ Program to calculate Commission according to grade using nested if Statement.
- 5) Write a note about Conditional Operator.
- 6) Write down the Syntax of the following.
  - 1) for
  - 2) While
  - 3) Dowhile
- 7) Write a Program to sum number from 1 to 10 using loop.
- 8) Write a Program to find the average of 5 number using while loop.
- 9) Write a Program to find sum of the series.

$$S = 1 + X + X^2 + \dots + X^n$$

## Chapter-10

### 2Mark and 3 Mark

- 1) What is null Statement(152)?

# SRI VIDYA VIHAR MATRIC.HR.SEC.SCHOOL

PUDU GOVINDAPURAM, M. C ROAD, AMBUR.TIRUPATHUR DISTRICT-635802.

- 2) What is Compound Statement(152)?
- 3)What is Sequence Statement(153)?
- 4)What is if else Statement(155)
- 5)What is nested if Statement(156)
- 6)What is if else ladder?Write Syntex.
- 7)What is conditional statement or Ternary operator?
- 8)What is switch statement? Write its Syntax
- 9)D/B if else and switch statement.
- 10)What is iteration statement and its type(163)?
- 11)What is meant by iteration or looping statement?
- 12)What is put of loop(163)?
- 13)What is for loop write its syntax163)?
- 14)What is while loop write its syntax(168)?
- 15)What is meant by nesting of loop(172)?

## Chapter-11

- 1) Write is Function.
- 2) Write down the syntax of user defined function(185).
- 3) Explain about call by Value.
- 4) Explain about call by reference.
- 5) What is use of return in a function?
- 6) Explain about Scope of the variable (201).
- 7) Explain about recursive function (200)..
- 8) What are type of Function(181)?
- 9) What are the advantage of function (need for function)(180)
- 10)What is function prototype?
- 11)What are uses of void?
- 12)What are parameter write its type?
- 13)What is inline function(196)
- 14)What is return statement?
- 15)What are scope &its types?
- 16)What is local Scope?
- 17)What is Scope resolution?

# **SRI VIDYA VIHAR MATRIC.HR.SEC.SCHOOL**

**PUDU GOVINDAPURAM, M. C ROAD, AMBUR.TIRUPATHUR DISTRICT-635802.**

## **Chapter-12**

- 1)What is array?
- 2)Explain the syntax of Single dimension and double dimension.
- 3)Write about memory representation of the 2D array.
- 4)Write a note on array of string .
- 5)C++ Program to find difference between Matrix.
- 6)What is type of Array?
- 7)What is String?
- 8)What is Searching(210)?
- 9)Write a Syntax of 2 dimensional array.

## **Lesson - 14**

- 1)What is Need for class?  
Class is a way to find the data and its associated function together.  
It is used to create user defined data type.
- 2)How to declare a class?
- 3)D/B class and structure
- 4)What is Data hiding?

**Padasalai.Net**