

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

STD: XII**LESSON – 1 TO 5****MARKS: 70****SUB: COMPUTER SCIENCE****TIME: 3 hrs****REVISION TEST – 1****PART – I****I. CHOOSE THE CORRECT ANSWER:****15*1=15**

1. Which of the following is a distinct syntactic block?
a) Subroutines b) Function c) Definition d) Modules
2. Which of the following is used in programming languages to map the variable and object?
a) :: b) := c) = d) ==
3. The word comes from the name of a Persian mathematician Abu Ja'far Mohammed ibn-i Musa al Khowarizmi is called?
a) Flowchart b) Flow c) Algorithm d) Syntax
4. From the following sorting algorithms which algorithm needs the minimum number of swaps?
a) Bubble sort b) Quick sort c) Merge sort d) Selection sort
5. Which of the following is not a stable sorting algorithm?
a) Insertion sort b) Selection sort c) Bubble sort d) Merge sort
6. The Python prompt indicates that Interpreter is ready to accept instruction.
a) >>> b) <<< c) # d) <<
7. Which of the following shortcut is used to create new Python Program?
a) Ctrl + C b) Ctrl + F c) Ctrl + B d) Ctrl + N
8. This symbol is used to print more than one item on a single line.
a) Semicolon(;) b) Dollor(\$) c) comma(,) d) Colon(:)
9. _____ provides modularity
a) Encapsulation b) Abstraction c) Classes d) Abstract Data Types
10. _____ create an object, bundling together different pieces of information.
a) Selectors b) Tuple c) List d) Constructors
11. _____ is more specific to a programming language
a) Array b) Structure c) Algorithm d) Program
12. _____ also called half-interval search algorithm.
a) Linear Search b) Binary Search c) Bubble Sort d) Insertion Sort
13. The Python language was released in _____.
a) 1981 b) 1990 c) 1980 d) 1991
14. The Keyboard Shortcut used to execute in Python Script is _____.
a) F4 b) F5 c) F3 d) F2
15. The value with _____ is used to give multi-line string literal.
a) Single Quotes b) Double Quotes c) Triple Quotes d) None of these

PART – II**II. ANSWER ANY 6 QUESTIONS: (Q.No.19 Compulsory)****6*2=12**

16. Define Subroutines and Recursive Function
17. What is meant by Scope and Life Time?
18. What is Algorithm Strategy?
19. Define Algorithmic Solution and Algorithm Analysis
20. Who is an Algorist?

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- 21. What are the two types of Programming in Python?
- 22. Define Tokens and its Classification?
- 23. State about Delimiters and Assignment Operator?
- 24. Define Conditional Operator or Ternary Operator with Example

PART – III

III. ANSWER ANY 6 QUESTIONS: (Q.No.26 Compulsory)

6*3=18

- 25. What is meant by Function Specification?
- 26. Define Mapping and Namespaces
- 27. State Algorithm vs Program
- 28. What are the two different phases of an Algorithm?
- 29. What are the Key Features of Python?
- 30. What are Comments and indentation in Python?
- 31. What are String Literals and Boolean Literals?
- 32. Explain the Following Operators with Example:
 - a) Arithmetic
 - b) Relational
 - c) Logical

PART – IV

IV. ANSWER THE FOLLOWING QUESTIONS:

5*5=25

- 33. a) What are called Parameters and write a note on
 - (i) Parameter without Type
 - (ii) Parameter with Type

[OR]

 - b) How will you facilitate data abstraction? Explain it with suitable example
34. a) Explain the types of scopes for variable?

[OR]

- b) Explain the Characteristics of an Algorithm?
- 35. a) Discuss about Linear search algorithm.

[OR]

- b) Explain the Bubble sort algorithm with example.
- 36. a) Explain the Selection sort algorithm with example.

[OR]

- b) Explain input() and print() functions with examples.
- 37. a) Describe in detail the procedure Script mode programming.

[OR]

- b) What is Binary search? Discuss with example.

// ALL THE BEST