

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

STD: XII

MARKS: 70

SUB: COMPUTER SCIENCE

TIME: 2.30 MINS

HALF – YEARLY MODEL QUESTION PAPER – 1

PART – I

I. CHOOSE THE CORRECT ANSWER:

15*1=15

1. Which of the following functions that retrieve information from the data type?
a) Constructors b) Selectors c) recursive d) Nested
2. Which of the following is used in programming languages to map the variable and object?
a) :: b) := c) = d) =
3. The _____ prompt indicates that Interpreter is ready to accept instruction
a) >>> b) <<<< c) # d) <<
4. The complexity of linear search algorithm is _____.
a) O(n) b) O(log n) c) O(n²) d) O(n log n)
5. How many important control structures are there in Python?
a) 3 b) 4 c) 5 d) 6
6. Which of the following keyword is used to define the function testpython():?
a) define b) pass c) def d) while
7. Which of the following formatting character is used to print exponential notation in upper case?
a) %e b) %E c) %g d) %n
8. The keys in Python, dictionary is specified by _____.
a) = b) ; c) + d) :
9. The process of creating an object is called as _____.
a) Constructor b) Des ctor c) Initialize d) Instantiation
10. A table is known as _____.
a) tuple b) attribute c) relation d) entity
11. The command to delete a table is _____.
a) DROP b) DELETE c) DELETE ALL d) ALTER TABLE
12. Making some changes in the data of the existing file or adding more data is called _____.
a) Editing b) Appending c) Modification d) Alteration
13. A framework for interfacing Python and C++ is _____.
a) Ctypes b) SWIG c) Cython d) Boost
14. Which of the following is an organized collection of data?
a) Database b) DBMS c) Information d) Records

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15. Identify the package manager for Python packages, or modules?

- a) Matplotlib b) PIP c) plt.show() d) python package

PART – II

II. ANSWER ANY 6 QUESTIONS: (Q.No.20 Compulsory)

6*2=12

16. Define Function with respect to Programming Language
17. What is meant by Modular Programming?
18. Define Tokens and its Classification?
19. What is meant by Block and Nested Block?
20. Define floor() and ceil() function with syntax and example
21. Define Nested List
22. How to Create Database?
23. Define MinGW Interface
24. Define Scatter Plot and Box Plot

PART – I I

III. ANSWER ANY 6 QUESTIONS: (Q.No.29 Compulsory)

6*3=18

25. What are the different ways to access the elements of a list? Give example?
26. State Algorithm vs Program
27. Write the alternate method for If – Else?
28. Write the General format of replace() function with example?
29. What is the difference between the List and Dictionary?
30. Differentiate Private and Public Data Members?
31. Define open() method and close() method with an example
32. Define SQL DISTINCT CLAUSE

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) Discuss about Linear search algorithm.

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34. a) Explain input() and print() functions with examples.

[OR]

b) Write a detail note on for loop

35. a) Explain the scope of variables with an example.

[OR]

b) What the different ways to insert an element in a list. Explain with suitable example.

36. a) Differentiate DBMS and RDBMS.

[OR]

b) Write the different types of constraints and their functions.

37. a) Write the rules to be followed to format the data in a CSV file.

[OR]

b) Explain the various buttons in a matplotlib window.

// ALL THE BEST