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**STANDARD - XII** District  
**COMPUTER SCIENCE**

**MARKS:35**

## Part - A

**I. Choose the best answer.**

$$10 \times 1 = 10$$

1. The small section of code that are used to perform a particular task is called \_\_\_\_\_  
a) Subroutines  
b) Files  
c) Modules  
d) pseudo code
2. A sequence of immutable objects are called \_\_\_\_\_  
a) Built - in  
b) List  
c) Tuple  
d) Selectors
3. Which members are accessible from outside the class?  
a) private  
b) public  
c) protected  
d) secured
4. Two main measures for the efficiency of an algorithm are  
a) Processor and Memory  
b) Complexity and capacity  
c) Time and Space  
d) Data and processor
5. In which year python Language was released?  
a) 1990  
b) 1991  
c) 2001  
d) 2009
6. Python Language created by \_\_\_\_\_  
a) Narwick  
b) Pascal  
c) Charles Babbage  
d) Guido Van Rossum
7. What plays a vital role in python programming?  
a) Statements  
b) Control  
c) Structure  
d) Indentation
8. Which statement is called null Statement?  
a) Continue  
b) break  
c) Pass  
d) goto
9. How many types of Function?  
a) 4  
b) 3  
c) 2  
d) 6
10. `eval (25 * 2 - 5 *4)` yields the output \_\_\_\_\_  
a) 180  
b) 54  
c) 70  
d) 30

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**II. Answer any three questions.****3 x 2 = 6****(14th question is Compulsory)**

11. Differentiate interface and implementation.
12. What is a List? Give an example.
13. What is a scope?
14. Give the syntax for user defined function.
15. Write note on break Statement.

**III. Answer any three questions and the 19th question is Compulsory.****3 x 3 = 9**

16. Differentiate Concrete data type and Abstract data type.
17. Give the rules for local variable.
18. What is Time Complexity and Space complexity?
19. Write a python program to check the given year is a leap year or not.
20. Give the key features of Python.

**IV. Answer the following questions in detail.****2 x 5 = 10**

21. Write Five Characteristics of Modules.

**(Or)**

Explain Binary search Algorithm with suitable example

22. Explain input ( ) and print ( ) functions.

**(Or)**

Write the syntax of for loop and explain with example.

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