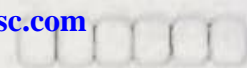


KK12CS

Kanniyakumari District  
Common First Revision Test - January 2024

## Standard 12 COMPUTER SCIENCE Part - A

Time: 3.00 Hours

Marks: 70

**I. Choose the best answer****15×1=15**

- 1) The variables in a function definition are called as  
a) subroutine      b) Function      c) Definition      d) Parameter
- 2) Which scope refers to variables defined in current function?  
a) Local      b) Global      c) Module      d) function
- 3) A framework for interfacing Python and C++ is  
a) ctypes      b) Boost      c) SWIG      d) Cython
- 4) Marks = [20, 40, 60, 80, 100]  
Print (Marks [-2])  
What will be the output?  
a) 60      b) 100      c) 40      d) 80
- 5) In Python, which of the following class declaration is correct?  
a) class class\_name;  
b) class class\_name <>  
c) class class\_name  
d) class class\_name []
- 6) Which of the following is not, a scripting language  
a) Ruby      b) DBMS      c) Perl      d) Javascript
- 7) What plays a vital role in Python Programming?  
a) structure      b) statements      c) Indentation      d) Control
- 8) Which of the following will retrieve information from the data type  
a) Recursive      b) Constructors      c) Nested      d) selectors
- 9) A tuple is also known as  
a) Attribute      b) Table      c) Field      d) Row
- 10) Which of the following shortcut is used to create new Python Program  
a) ctrl + C      b) ctrl + F      c) Ctrl + B      d) ctrl + N
- 11) ..... is the most comfortable loop  
a) do ..... while()      b) while ()      c) for      d) if ... elif
- 12) Command used to remove a table from the database  
a) DELETE ALL      b) DROP TABLE      c) ALTER TABLE      d) DELETE
- 13) ..... is used as place holders or replacement fields which get replaced along with format() function.  
a) {}      b) < >      c) + +      d) ^ ^
- 14) Which of the following method is used as destructor  
a) - - rem - - ()      b) - - init () - -      c) - - del - - ()      d) - - dest - -
- 15) Using Matplotlib from within a Python Script, which method inside the file will display the plot?  
a) plot ()      b) disp()      c) clear()      d) show()

**Part - B****Answer any 6 questions. Q.No. 24 is compulsory.****6×2=12**

- 16) Differentiate constructor and selector.
- 17) What do you mean by Namespace
- 18) What are the different modes that can be used to test python program
- 19) List the control structures in Python
- 20) Write note on max() and min() function of a list.
- 21) List the types of visualisation in Matplotlib.
- 22) Write the syntax of csv.writer().
- 23) Write the syntax of getopt.getopt method.

Kindly send me your answer keys to us - padasalai.net@gmail.com

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24) Write the output of the following segment.

```

i = 10
while (i <= 15)
print (i, end = '\t')
i = i + 2
else
print("value of i when the loop exit", i)

```

**Part - C****Answer any 6 questions. Q.No. 33 is compulsory.****6×3=18**

- 25) Differentiate concrete data type and abstract data type.
- 26) Differentiate ceil() and floor() with example.
- 27) List the difference between break and continue.
- 28) Write about composition in functions with example.
- 29) Write note on DBA
- 30) What are the advantages of Tuptes over list?
- 31) Write about the steps for python program excuting C ++ program using control statement.
- 32) Write note on DELETE, TRUNCATE, DROP command in SQL.
- 33) What is the output of the following program.

```

Class greet
def _init_(self, n);
self._n = n
def display (self):
print("How are you?", self.n)
obj = greet("Dear Teacher")
obj.display()

```

**Part - D****Answer all the questions****5×5=25**

- 34) Explain scope of a variable  
(OR)  
Discuss about linear search algorithm
- 35) Discuss in detail about Tokens in Python.  
(OR)  
Write a note on Parameter with type and Parameter without type.
- 36) Differentiate Excel and csv file  
(OR)  
Construct the following SQL statement in the student Table.  
SELCET student using GROUP BY clause  
SELECT student using ORDER BY clause
- 37) Explain the types of Datamodel  
(OR)  
Write the features of python over C++
- 38) Write the different ways to insert an element in a list? Explain with an example.  
(OR)  
Explain about string operators in python with suitable example.

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