

**SECOND MID TERM EXAMINATION-MARCH 2021**  
**Standard-12**  
**COMPUTER SCIENCE**

Time:1.30hrs

Maximum Marks:50

**I. Choose the most appropriate answer:-**

**10X1=10**

1. Pick odd one in connection with collection data type  
(a) List                      (b) Tuple      (c) Dictionary      (d) Loop
2. Let list1=[3,6,9,12,15] then print list1[-4] will result in  
(a) 12                      (b) 9              (c) 6              (d) 3
3. Functions defined inside a class:  
(a) Functions              (b) Module              (c) Methods (d) section
4. Which of the following method is automatically executed when an object is created?  
(a) \_\_object\_\_( )      (b) \_\_del\_\_( )      (c) \_\_func\_\_( )      (d) \_\_init\_\_( )
5. A table is known as  
a) tuple                      b) attribute              c) relation              d) entity
6. A tuple is also known as  
a) table                      b) row                      c) attribute              d) field
7. Importing C++ program in a Python program is called  
(A) wrapping      (B) Downloading      (C) Interconnecting      (D) Parsing
8. The expansion of API is  
(A) Application Programming Interpreter      (B) Application Programming Interface  
(C) Application Performing Interface      (D) Application Programming Interlink
9. getopt() will return an empty array if there is no error in splitting strings to  
(A) argv variable (B) opt variable (C) args variable (D) ifile variable
10. Identify the function call statement in the following snippet.  
if \_\_name\_\_ == '\_\_main\_\_':  
main(sys.argv[1:])  
(A) main(sys.argv[1:]) (B) \_\_name\_\_ (C) \_\_main\_\_ (D) argv

**II. Answer Any 5 Question(Q.no 16 is Compulsory)**

**5X2=10**

11. Differentiate compiler and interpreter.
12. What is the use of cd command. Give an example
13. What is data consistency?
14. What is instantiation?

15. Differentiate del with remove() function of list

16. Write the output of the python program?

```
squares = [ x ** 2 for x in range(1,11) ]  
print (squares)
```

**III. Answer Any 5 Question(Q.no 21 is Compulsory)**

**5X3=15**

17. Differentiate Python and C++.

18. What is sys.argv? What does it contain?

19. How to define constructor and destructor in python?

20. What are the advantages of Tuples over a list?

21. What is MinGW? What is its use?

22. Write the output of python program in class?

class Sample:

```
    def __init__(self, n1, n2):  
        self._n1=n1  
        self._n2=n2  
    def sum(self):  
        total = self._n1 + self._n2
```

```
print("Class variable 1 = ", self._n1)  
print("Class variable 2 = ", self._n2)  
print("Sum of class variables = ",total)  
S=Sample(14, 16)  
S.sum()
```

**IV. AnswerAll Questions.**

**3X5=15**

23. What is nested tuple? Explain with an example.

**[or]**

Explain the different set operations supported by python with suitable example.

24. Write a menu driven program to add or delete stationary items. You should use dictionary to store items and the brand.

**[or]**

Write the syntax for getopt() and explain its arguments and return values

25. Explain the characteristics of DBMS.

**[or]**

What is the purpose of sys, os, getopt module in python. Explain

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