



# ST. JOSEPH STUDY CENTRE

12<sup>th</sup> STD: Mid Term Test – 2

COMPUTER SCIENCE

Time: 2 Hrs / Total Marks: 50

**I. Answer any 5 of the following questions:**

**[5 x 2 = 10]**

1. What will be the output of the following python code?

```
str1 = "School"
```

```
print(str1*3)
```

2. How will you access the list elements in reverse order?

3. Differentiate del with remove() function of List.

4. What is class?

5. What is instantiation?

6. How will you create constructor in Python?

**II. Answer any 5 of the following questions:**

**[5 x 3 = 15]**

7. Write a Python program to display the given pattern

COMPUTER

COMPUTE

COMPUT

COMPU

COMP

COM

CO

C

8. Write a short about the followings with suitable example:

(a) capitalize( )

(b) swapcase( )

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

10. Explain the difference between del and clear( ) in dictionary with an example.

11. What are class members? How do you define it?

12. How do define constructor and destructor in Python?

**III Answer any 5 of the following questions:**

**[5 x 5 = 25]**

13. Explain about string operators in python with suitable example.

14. Explain the following functions:

a) lower

b) upper()

c) islower()

d) isupper()

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

16. What is the purpose of range( )? Explain with an example.

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

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

-----ALL THE BEST-----

Test should be written under the supervision of your parents and get the answer paper signed from them.

No corrections should be made after the test timings. We expect your honesty.

Test Papers have to be submitted after the completion of all the 4 tests.

Submission Date of Test Papers: 1<sup>st</sup> December, 2<sup>nd</sup> December, 3<sup>rd</sup> December Timings: 9 AM – 12.30 PM / 5 PM- 7 PM