

# HOLIDAY HOME WORK (Autumn Break) 13/10/2018 to 22/10/2018

## CLASS XI COMPUTER SCIENCE (Python)

### PART-I

1. Solve half-yearly question paper in notebook.
2. Complete your all pending works.

### PART-II

#Write the following programs in class Notebook.

1. Write a program to accepts two integers and print their sum.
2. Write a program that accepts radius of a circle and prints its area.
3. Write a program that inputs a student's marks in three subjects (out of 100) and prints the
4. Percentage marks.
5. Write a program to read two numbers and prints their quotient and remainder.
6. Write a Program to print first n Natural numbers and their sum.
7. Write a Program to calculate factorial of an integer using while loop.
8. Write a Program to check whether the given number is palindrome or not.
9. WWrite a program to print table of a given number.
10. Write a program to print Fibonacci series. i.e. 0 1 1 2 3 5 8 ...
11. Compute the greatest common divisor and the least common multiple of two integers.
12. Given two integers x and n, compute x rest to power n.
13. Test if a number is equal to the sum of the cubes of its digits.
14. WAP to display sum of all numbers from 1 to 10.
15. WAP to display Average of numbers from 1 to 16.
16. WAP to display Square all numbers from 1 to 17.
17. WAP to display Cube all numbers from 1 to 28.
18. WAP to display all odd numbers from 1 to 18
19. WAP to display all even numbers from 1 to 30

### PART-III

- Q1. Explain the following with example  
a) List    b) Tuple    c) Dictionary
- Q2. What is different between mutable and immutable data types Explain With example
- Q3 Write any four characteristics (PLUSES) of python.
- Q4. What do u mean by cross-platform? Is python cross-platform or not?
- Q5. What do you understand by comments? Write an example.
- Q6. What is identifiers? Write any four forming rule for identifiers?

Q7. What will be output produced by following code fragments?

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| <p>a)</p> <pre>X=10 X=X+10 X=x-5 Print(X) X,Y=X-2,22 Print(X,Y)</pre> | <p>b)</p> <pre>first=2 second=3 third=first*second print(first,second,third) first=first+second+third third=second * first print(first,second,third)</pre> |
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