

**St. Mary's School, Dwarka**  
**Holiday Homework**  
**Class XII**  
**Subject: Computer Science**  
**Week 3**  
**Worksheet 3**

**Topic :- Functions**

**M.M.20**

**Q2 (a ) Choose the correct answer :**

**1\*5 = 5**

1. Which of the following is the use of function in python? 1
  - a) Functions are reusable pieces of programs
  - b) Functions don't provide better modularity for your application
  - c) you can't also create your own functions
  - d) All of the mentioned
  
2. Which keyword is use for function? 1
  - a) Fun
  - b) Define
  - c) def
  - d) Function
  
3. Where is function defined? 1
  - a) Module
  - b) Class
  - c) Another function
  - d) All of the mentioned
  
4. Which are the advantages of functions in python? 1
  - a) Reducing duplication of code
  - b) Decomposing complex problems into simpler pieces
  - c) Improving clarity of the code
  - d) All of the mentioned
  
5. What are the two main types of functions? 1
  - a) Custom function
  - b) Built-in function & User defined function c) User function
  - d) System function

**Q2 Write programs using functions to perform the following:**

**3\*5=15**

- (i ) To calculate Simple Interest by taking Time , Principle from the user and Rate of Interest as default as 5%.
- (ii) To calculate square and Cube of a number
- (iii) To calculate the factorial of a given number.
- (iv) To print Fibonacci series of a given number.
- (v) To calculate percentage of a student by passing marks of five subjects as parameters.