



**BHARATI VIDYAPEETH'S**

**INSTITUTE OF COMPUTER APPLICATIONS & MANAGEMENT (BVICAM)**

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**Course Code: MCA-106**

**Course Name: Python Programming**

**Assignment 1  
(Based on Unit-I & II)**

No.	Question	CO	BTL
Q 1.	Python is an interpreted language. Articulate.	CO1	BTL 1
Q 2.	Write a Python function that takes a list and returns a new list with unique elements of the first list.	CO3	BTL 3
Q 3.	Develop a Function areaTriangle that takes the lengths of three sides: side1, side2 and side3 of the triangle as input parameters and returns area of the triangle as the output. Also, assert that the sum of the length of any two sides is greater than the third side. Write a function main that accepts inputs from the user interactively and computes the area of the triangle using the function areaTriangle.	CO2	BTL 2
Q4.	Illustrate Inheritance in Python with an example?	CO1	BTL 1
Q5.	Compare and contrast various conditional statements with the help of an example.	CO1	BTL 1
Q6.	Explain various types of arguments with the help of an example.	CO1	BTL 1
Q7.	Write a function that takes a string as a parameter and returns a string with every successive repetitive character replaced with a start (*). For Example, 'balloon' is returned as 'bal*o*n'.	CO3	BTL 3
Q8.	Develop a Python function to produce the following output:  \$ \$ \$ \$ \$ \$	CO2	BTL 2

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Q9.	Explain random and math module with various libraries and their functionalities.	CO1	BTL 1
Q10.	Write a Python function that takes a list and returns a new list with unique elements of the first list.	CO3	BTL 3