## GLS UNIVERSITY Faculty of Computer Applications & IT Integrated MCA

## 221601501 Introduction to Python

## **Theory Assignment Unit – 1**

$\mathbf{Q} - 1$	Answer the following:		
1.	List the features of Pyt	hon	
2.	List few applications of Python		
3.	Explain basic Python Program struture		
4.	List the points to be considered for declaring Python variables.		
5.	List the points to be considered for Python Constants.		
6.	How to cast a datatype	for Python variables?	
$\mathbf{Q} - 2$	Fill in the blanks:		
_	The implementation of Python was started in		
	Python 1.0 was released is the year		
	. Python 3.0 is also called		
4.	4 programming language is said to be the predecessor of Python language.		
	Mode is used when an user wants to run one single line or one block of code		
	Mode used when an user wants to run multiple line of codes		
7.	is used to note comment.		
	Comments can be used to make the code more readable. (True/ False)		
9.	Variables are containers for storing data values. (True/ False)		
	. Syntax of variable decl		,
11.	. Variables do not need t	o be declared with any particular	r type. (True/ False)
12	. The data which is bein	g assigned to the variables are ca	illed as
Q-3	<b>Explain following strir</b>	g functions in Python:	
	1. strip ( )	6. capitalize ( )	11. isalnum ( )
	2. lower ( )	7. count ( )	12. isdigit ( )
	3. upper ( )	8. index ( )	13. islower ( )
	4. replace ( )	9. find( )	14. isupper ( )
	5. split ( )	10. isalpha ( )	
Q-4	Explain following mat	h functions in Python:	
	1. ceil ( )	6. log2()	11. sin ( )
	2. factorial ()	7. log10()	12. tan ( )
	3. floor()	8. pow ()	13. pi
	4. fmod ()	9. sqrt ( )	14. e
	5. exp()	10. cos ( )	