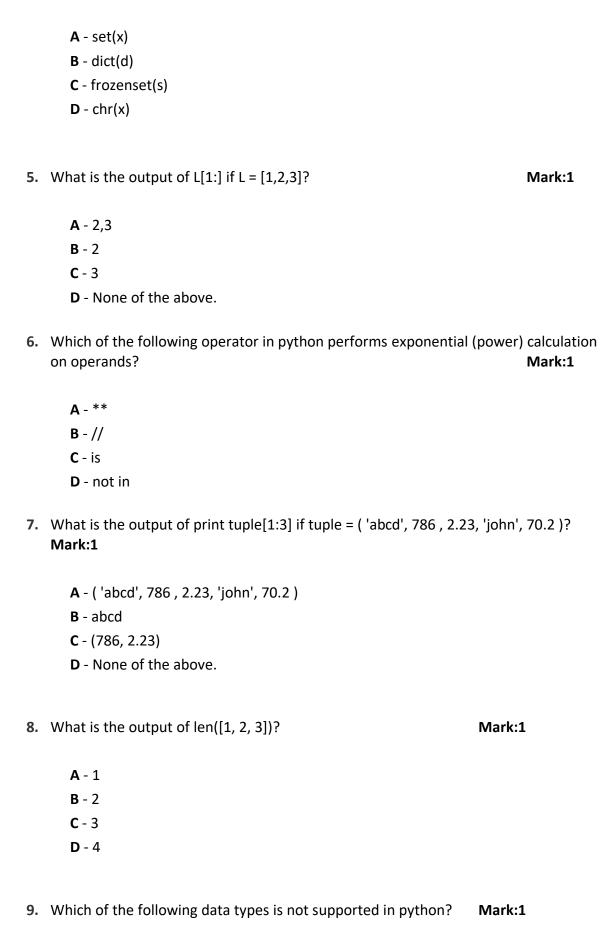
1. Assume, you are given two lists:

	a = [1,2,3,4,5]	
	b = [6,7,8,9]	and him and
	The task is to create a list which has all the elements of a dimension.	i and b in one
	Output:	
	a = [1,2,3,4,5,6,7,8,9]	
	<u> </u>	
	Which of the following option would you choose?	
	A) a.append(b)	
	B) a.extend(b)	
	C) Any of the above	
	D) None of these	
2	What does this code output:	Mark:1
	def f (x,l=[]):	WIGHKIL
	for i in range(x):	
	<pre>l.append(i*i) print(l)</pre>	
	princ(i)	
	f(2)	
	f(3,[3,2,1])	
	Note: Assume syntax is correct.	
	Solution:	
	[0, 1]	
	[3, 2, 1, 0, 1, 4]	
3.	What is the output of print str[2:] if str = 'Hello World!'?	Mark:1
	A - Ilo World!	
	B - H	
	C - Ilo	
	D - None of the above.	

4. Which of the following function convert an integer to a character in python?

Mark:1

Mark:1



A - Tuple **B** - Dictionary **C** - Generics **D** - List **10.** Which of the following is correct about Python? Mark:1 A - It supports functional and structured programming methods as well as OOP. **B** - It can be used as a scripting language or can be compiled to byte-code for building large applications. C - It provides very high-level dynamic data types and supports dynamic type checking. **D** - All of the above. **11.** Which of the following is correct about dictionaries in python? Mark:1 A - Python's dictionaries are kind of hash table type. B - They work like associative arrays or hashes found in Perl and consist of keyvalue pairs. C - A dictionary key can be almost any Python type, but are usually numbers or strings. Values, on the other hand, can be any arbitrary Python object. **D** - All of the above. **12.** Write a lambda function to find sum of n natural number? Mark:2 13. Is python a case sensitive language? Mark:1 A - true **B** - false **14.** def multiply2(x): return x * 2

Rewrite the following function using lambda function?

map(multiply2, [1, 2, 3, 4]) # Output [2, 4, 6, 8]

Mark:2

15. dict_a = [{'name': 'python', 'points': 10}, {'name': 'java', 'points': 8}] filter(lambda x : x['name'] == 'python', dict_a) Output of the following? Mark:1 **16.** The _____ function returns its argument with a modified shape, whereas the method modifies the array itself. a) reshape, resize b) resize, reshape c) reshape2, resize d) all of the Mentioned 17. To create sequences of numbers, NumPy provides a function _____ analogous to range that returns arrays instead of lists. Mark:1 a)arange b)aspace c)aline d)alloftheMentioned **18.** create a 4x4 matrix with values ranging from 0 to 15. Mark:1 19. import numpy as np a = np.array([10, 40, 80, 50, 100])print(a[a>50]) Mark:1 20. Mark:1 import numpy as np a = np.array([[1,2,3],[3,4,5],[4,5,6]])# slice items starting from index print 'Now we will slice the array from the index a[1:]' print a[1:,:2]