PES University, Bengaluru (Established under Karnataka Act No. 16 of 2013)

UE19MC501

OCTOBER 2020: IN SEMESTER ASSESSMENT MCA III SEMESTER TEST - 1

UE19MC501 (4 credit subject) - Python Programming

		Time: 2 Hrs	Answer A	ll Questions	Max Marks: 60	<u> </u>			
1.	a)	Write a program to swap two numbers with							
	b)	Write a program to swap two numbers without using third variable and conditions.							
ĺ	c)								
		Write a program to accept the radius and print the diameter, area and circumference of a circle.							
<u>. T</u>									
2.	a)	The sample of the following code snippeter?							
1		. Sti – pynative"							
		print (str[1:3]) ii. var = "James" * 2 * 3							
	print(var)								
ĺ		iii. x = 36 / 4 * (3 + 2) * 4 +	2						
		print(x)							
İ		iv. v1, v2, v3 = 1, 2, "3"							
		print(var + var2 + var3) v. x= 2 * 2 **3							
		print(x)							
		vi. tuple = (1, 2, 3)							
		print(2 * tuple)							
		vii. print(format("Python Programming","^30"))							
	ļ	VIII. (2**2)**(2**3)							
		ix. 10<20 and 30<20 or 40 >10 X. print(0.1 + 0.2 == 0.3)							
·									
a	N	What is the output and the reason for the output of the following code?							
		while True:	"'	x = 123	11				
		if i%3 == 0:	{	for i in x:					
		break		print(i)					
		print(i)	}						
		i + = 1	ļ						
									
		while i < 3:	∫ iv.	my_string = Pyt	honProgramming'				
				for i in range(m	y_string):				
		print(i)		print(i)					
		i += 1 else:							
					-				
	 	print(0)				i			
	۷.	P-0							
,		if p in (1,3,5,7,8,10,12):			1 1	- 1			

		ii. Replace all occurrences oii. Find all five characters lor	f space	e, comma, or dot with a colon. d in a string.				
6 a)	What is the output of the following code?							
a)	iii.	class Acc: definit(self, id): self.id = id id = 555 acc = Acc(111) print(acc.id)	ii.	class whatsnew: definit(self, id): self.id = id manager = whatsnew(100) managerdict['life'] = 49 print manager.life + len(managerdict) class A: definit(self, i = 0): self.i = i class B(A): definit(self, j = 0): self.j = j b = B() b.i	10			
	V.	print(A.val, B.val, C.val) class A: definit(self): self.calcl(30) print("i from A is", self.i def calcl(self, i): self.i = 2 * i; class B(A): definit(self): super()init() def calcl(self, i): self.i = 3 * i; b = B())	b.j				