10tal No. 0	oi Qu	estions: 9]	3	SEAT No.:	
P6995		. (3	[Total	No. of Pages : 4
		[5868]-1	07		
		F.E. (Semester	- I	& II)	
11000)5:	PROGRAMMING AN	1D F	PROBLEM S	OLVING
		(2019 Pattern)	(Con	nmon)	
Time : 2½	Ноиз	rsl		ſM	lax. Marks : 70
		the candidates:		[172	17 1 (111)
1)	Que	stion one is compulsory.			
2)		e Q2 or Q3, Q4 or Q5, Q6 or Q7			
3)		diagrams must be wherever no		C !	
4)	Assu	ıme suitable data wherever nec	essary.		
	2			,63	
Q1) i)	Whi	ich one of the following is the	e corr	ect way of calling	g a function?
V	a)	f_name()	5 b) (call f_name()	
	c)	return f_name()	\mathbf{g}	function f_name	e()
ii)	Wha	at is the correct file extension	for P	ython files?	
	a)	.pt	b)	.pyt	
	c)	.py	d)	.cpp	
iii)	Whi	ich function is used to conver	t a nu	meric value to a	character
	a)	ord()	b)	chr()	
	c)	input()	d)	output()	8. X
iv)		ich is the default access mod non?	e in tl	he open () functi	on for files in
	a)	W	b)	r	
	c)	a	d)	W.H	
v)	Whi	ich method can be used to ret	urn a	string in upper ca	ase letters?
	a)	toupper()	b)	upper()	
	c)	uppercase()	d)	touppercase()	
			8		<i>P.T.O.</i>

	vi)		ich method is automatically ented?	execut	ted when an object of a class is
		a)	_init_()	b)	_call_()
		c)	_repr_()	d)	_del_()
	vii)	You	can use Python for		
		a)	Application programming	b)	Web programming
		c)	Artificial intelligence	d)	All of these
	viii)Which of the following keyword is used in user defined function head in Python?				d in user defined function header
		a)	define	b)	def
		c)	function	d)	fun
	ix)	Wh	at does open() function return	1?	
	(a) ×	function	(b)	variable
		×c)	file object	d)	none of these
	x)	Wh	ich of the following is the cor	rect y	vay of closing a file?
		a)	close(file)	(g)	close("file")
		c)	file.closed()	d)	file.close()
<i>Q2</i>)	a)		ine a function. Explain funct able example.	ion de	efinition and function call with [6]
	b)	Wha	at is a lambda function? Expl	ain w	ith a suitable example. [5]
	c)	Wha	at are the good Python progra	ammi	ng practices [4]
			OR		
Q3)	a)	Exp	plain the following types of fu	unctio	n arguments with examples:[6]
		i)	Required arguments		(C) 2/00°
		ii)	Keyword arguments		
	b)		at do you mean by local an mple.	d glo	bal variables? Explain it with [5]
	c)	Wri	te a program to swap two nu	mbers	using a function. [4]
[5868	3]-1()7	2	8.	

Q4)	a)	Explain the following string operations with suitable example. [6]				
		i) Concatenation				
		ii) Appending				
		iii) String repetition				
	b)	Explain indexing and slicing operation on string with suitable example. [5]				
	c)	Write a program to count the number of characters and words in the				
	•)	given string. [4]				
		s = 'Welcome to the world of python programming'				
		OR				
Q 5)	a)	Explain following string methods with example.	[6]			
		i) strip()				
		ii) index()				
		iii) isdigit()				
	b)	What is a string? Explain with example iterating strings. [5]				
	c)	Explain ord() and chr() functions with suitable examples. [4]				
			, C)			
Q6)	a)	Explain any three programming paradigms.	[6]			
	b)	Define a class in Python. Explain_init_() method with suitable example.				
		[5]				
	c)	Explain the concept of a class and an object in OOP. [4]				
o =\		OR				
Q 7)	a)		[6]			
		i) Data encapsulation				
		ii) Data abstration				
		iii) Polymorphism				
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	b)	Explain class variables and object variable with suitable example. [5]				
	c)	Write a program to create a class 'Employee' with two attribute. Display the details of two employees.				
Q 8)	a)	What is a file? Explain different access modes for opening files.	[6]			
	b) What is a dictionary? How to create, access and modify dictio elements.					
	c)	Explain relative and absolute path of a file.	[4]			
		OR				
Q9)	a)	Explain any three methods for reading and writing files.	[6]			
	b)	Explain different directory methods with suitable examples.	[5]			
	c)	Write a program to read first 10 characters from the file and display	it. [4]			
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