Total No. of Questions : 4] PA-1684					30	SEAT	Γ No. :		
							[Total No. of Pages : 2		
				[593]	11007				
				F.E. (Sea	mester -	I)			
]	PRO	GRAM!	MING AN	D PROI	BLEM S	OLVI	NG	
				2019 Patt	ern) (11	0005)			
		Hour]					[Ma	x. Marks	: 30
Instr			he candida	Y					
	1)			Q.2, Q.3 or Q.4.					
	2)	Neat	diagrams	must be where	ver necessa	ry.	S		
Q1)	a)	Listd	itterent p	rogram design	tools? Exp	olain an alg	orithm v	with exam	
	1 \	D.			C 1				[3]
	b)	Θ		haracteristics (0			[4]
	c) \	_		istory of pythological in Pyth		ming langu	iage and	l list diffe	erent [3]
	d)	Expla	iin any fi	ve features of	pythen pi	rogramming	g langu	age.	[5]
					OR				
<i>Q</i> 2)	a)	Write	a pseudo	code for fact	orial of a	number.			[3]_(
~	b)		_	lifferent collec	5		1?		[4]
	c)			nean by flow-c		•		hart symk	
	C)	vv mat	do you ii	ican by flow c	лиг. Вхрг	ani aniicici	11 110 00 0	mart syme	[3]
	d)	Expla	in any fi	ve categories	of operator	rs in pytho	n with	examples	. [5]
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<i>Q3</i>)	a)	Expla	in the fol	lowing condit	ional branc	ching staten	nents w	ith examp	oles.
						00	100.		[3]
		i)]	If	ii)	if else		iii) if	elif else	
	b)	Expla	uin differe	ent dictionary	methods,	K V			[4]

b) Explain different dictionary methods

c) What do you mean by nested loops? Explain with example.

[3]

d) Write a program for prime number.

OR

P.T.O.

[5]

Q4)	a)	Explain for loop with syntax, flow-chart and example.							
	b)	Explain else statement with for loop with flowchart and example. [
	c)	Explain following terms with examples.							
		i) break ii	continue	iii) pass					
	d)	Write a program for multip	olication tables of numb	pers from 1 to 10					
					[5]				
		20,10							
		Write a program for multip	300						
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