Total No. of Questions : 4]		o. of Questions : 4]	30	SEAT No.:		
P5247		7 [6188]- 2 0	12	[Total No. of Pag	es: 1	
B.E. (Information Technology) (Insem)						
DEEP LEARNING						
(2019 Pattern) (Semester -VII) (414443)						
		ions to the candidates:		[Max. Marks : 30		
1		Answer Q.1 or Q.2, and Q.3 or Q.4.				
2	_	Neat diagrams must be drawn wherever n	ecessary.			
3 ₄	_	Figures to the right indicate full marks.				
7)	Assume suitable data, if necessary.		290		
01)	٥)	Eurlain Collavoina tamas nalatad ta m	16i 100	a food forward a stream	[#]	
Q1)	a)	(' _	nuiti-iaye	r reed-forward network	.S.[5]	
		i) Biasesii) Activation functions				
1	b)	9	operatio	11	[5]	
	c)				[5]	
	- /	OR		25 1400 of W 1110 GO11	[-]	
Q2)	a)	Explain loss function for classificati	ion opera	tion.	[5]	
1	b)				[5]	
(c)	What is regularization? Explain the r	need for r	egularization.	[5]	
()2)	o)	Explain the following king rackman	tara for th	a convolutional layer	[Q]	
Q3)	a)	Explain the following hyper parame i) Filter size	ters for tr	ie convolutional layer.	[8]	
		ii) Output depth			3	
		iii) Stride			i C	
		iv) Zero-padding		Š	3	
1	b)		NN with a	suitable example. Take	5*5	
		input data, 3*3 kernel data and calcu			[7]	
		OR OR				
<i>Q4</i>) :	a)	Draw and explain architecture of Ale			[7]	
1	b)	Explain any four applications of CN	INs with	suitable diagrams.	[8]	
				2 all		
		* * *	×	5' (8')		
				00		
				3		
			6	•		
			3			
			5).			
		\lor	*			