Total No	o. of Questions : 4] SEAT No. :		
P5247	7 [Total No. of Page	es : 1	
[6188]-202 P. F. (Information Technology) (Ingom)			
B.E. (Information Technology) (Insem) DEEP LEARNING			
(2019 Pattern) (Semester -VII) (414443)			
Time: 1 Hour] [Max. Marks Instructions to the candidates:			
1nstructi 1)	Answer Q.1 or Q.2, and Q.3 or Q.4.		
2)	Neat diagrams must be drawn wherever necessary.		
3)	Figures to the right indicate full marks.		
<i>4</i>)	Assume suitable data, if necessary.		
Q1) a)		s. [5]	
	i) Biases		
1 \	ii) Activation functions	F#3	
b)		[5]	
c)		[5]	
(02)	OR Explain loss function for classification operation.	[5]	
Q2) a) b)		[5] [5]	
c)		[5] [5]	
C)	What is regularization. Explain the need for regularization.		
Q3) a)	Explain the following hyper parameters for the convolutional layer.	[8]	
	i) Filter size	3	
	ii) Output depth		
	iii) Stride Stride		
	iv) Zero-padding	,	
b)			
	input data, 3*3 kernel data and calculate convoluted features.	[7]	
0.4)	OR OR	[6]	
Q4) a)	Draw and explain architecture of AlexNet.	[7]	
b)	Explain any four applications of CNNs with suitable diagrams.	[8]	
	* * *		
	* * * (8)		
	6.		
	8 .		
	Draw and explain architecture of AlexNet. Explain any four applications of CNNs with suitable diagrams.		