Ewipx; +B,2 Evixx+B,3 Ewij Xi +B' Midden hidden layer 1 layer 2 layer 3 X5C

(i) for 1st 5 hidden layers input = 7 hidden layer= 5 bral parameter: (7+1) x5=60 (ii) for not 5 the hidden layer has the hidden layer En; (5+1) x7 = 64 K=1; (5+1) x7 = 64 K=6; (5+8) x8 = 104. K=9; (5+9) x9 = 126 K=10; (5710) ×10 = 150 (0) for output layer It has 2 neurone 1/0+2/x2=12024 potal parameter= 614

3 -20-CONY 20 F=(B, s) 3 nn= GIHr=6 Shide (3,1) Paddig=5 3 MAPRIN - F72x paddy) +1 3 9 20 - 572×5/ nc = no of filters = 6 The answer is (9, 96). 2 2 2 2 2 9 1 2 3

App roach ! Input: 10 & output neuronal 107al parneux = (0 x1) +1 = 10+1=11 Approun 2 pput=10 & 0/p=2 $(10 \times 2) + 2 (25) = 22$ approach 2 same as and approach 2 same as always output as I and other should give 3. 4,51 , 92=0 to set the weights can be set a | 8 8] a namix y Zeros and biss be | co | a large me for you With this setting approach 2 will at like approach 1.

9

0.9 (d) - conv -17-16 height = 258-17+1= 240 Widn= 258-17+1=240 depr = 16 ho of parameters= (17x17x1 x 16) + 16 = 1384088 8-16 Pool- 2 laye, maxpolig with 2x2 filter & Stride of 2 height = 240/2 = 120 4, UM = 240/2 = 120 depm=16 no of parametis=0 -1 Cany - 11-32 heipt - 120-11+1=110 wiah = 120-11-1=110 dipth: 32 no of parameter = (1/×11×16 ×32) +32 -1 Pool- 2 layer no of parameterso height = 110/2 = ST widh = 110/2= 17 depth=72

-1 f(-10

57X11X12

no of parameter= (57x57x32 x 10) + 10 = 968010.