Numerical Question (16,16,4), no. of channels Pooling, Input layer Ki Number of Shape = (16,16,4) parameters Size = 16x16x4 = 1024 always zero(0) No. of Parameters = 0 Convolution Layers_ ConvaD (Number of titless=16) filter size = 4, strick = 1, Padding = Yes)

Shape = (16,16, 16)

16 ka Size = 16x16x16 = 4096 half 4 hai No. of paxametexs = (4x4x4+1) x 16 = 1040 4x4x4 no-of Pechloy Channels Ka (input - filter size + 2p) +1 = padding Yes hoto as it is pechay unla likhna hau +1 -) bias Pooling Layer 1 (fitter size = 2, stride = 2, Padding = NUII). 76 - filter 16 Kg Shape = (8,8,16) half 8 Size = 8×8×16 = 1024 No of parameters = 0 . Puoling layers do not have trainable parameters : padding Null to (input - filter size + 2p)+1 (16-2+2(0))+1(H)+1

7+1 => 8.

(onvolutionlayer 2 - Separable (on 2D (Number of filters = 32, filters size = 3, (Number of padding = Null)

Shape = (6,6,32) = No. of fixers 6 ka half Size = $6 \times 6 \times 32 = 1152$ 3 or No. of Parameters = $(3 \times 3 + 1) \times 32$ +1 > bias $32 \rightarrow$ fitters

(input - filter size + 2p) + 1

 $\left(\frac{8-3+2(0)}{1}\right)+1$

 $\left(\frac{5}{1}\right)+1=)$ S+1

= 6

Pooling Layer a (filter size = 20 Stride = 20 padding = Null).

Shape = (3, 3, 3a) Size = 3 × 3 × 3a = 288

No. of Parameters: 0