## Am. to the Ques. No. 3

$$\frac{\# 1^{5t} \text{ set of convolution and max pooling.}}{\text{width} = \left[ (\omega + 2P - F)/5 \right] + 1} \\
= \left[ (64 + 0 - 5)/2 \right] + 1 \\
= 30.5 \sim 30$$

$$\text{height} = \left[ (H + 2P - F)/5 \right] + 1$$

$$= 7/14 + 0 - 5)/2 + 1$$

height= 
$$[(H+2P-F)/3]+1$$
  
=  $[(64+0-5)/2]+1$   
=  $30.5 \sim 31$ 

aften convolution, feature map value = [7x31x3]

$$\frac{31}{2}$$
 = 15.5 ~ 16

Max pooling = [7 x 16x 16]

height = 
$$[(H+2P-F)/5]+1$$
  
=  $[(16+0-5)/2]+1$   
=  $6.5 \sim 7$   
tenson  $(7\times7)$   
after convolution, feature map value =  $7\times7\times7$   
 $\frac{7}{2} = 3.5 \sim 4$   
Max pooling =  $7\times4\times4$   
Max pooling =  $7\times4\times4$   
Hand set of convolution and max pooling  
width =  $[(W+2P-F)/5]+1$   
=  $[(4-5)/2]+1$   
=  $0.5 \sim 1$   
height -  $[(H+2P-F)/5]+1$   
=  $[(4-5)/2]+1$   
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after convolution, feature map value = [7×1×1]

1=0.5~1

Max pooling = [7x1x1]

number of nodes in fattening layer = 7 x 1 x 1

[here, the filters were fixed]

Input convolution 7 × 16×16 max pooling convolution max pooling (2X2) convolution output Max pooling (2×2) RXIXI Flattered 7