Q.2 (1) g= hx6 with given gand h

G= H.F where G=F(g) H=F(h) F=F(b).

 $F = \frac{G}{H} = \sum_{h=1}^{\infty} \frac{1}{h} = F^{-1}(\frac{G}{H})$. Since h is gradient

operation convolutional kernel, H is High pass filter.

For low frequency 1100 hence Ge -200. Which is
a problem in Calculating inverse If fourier.

(ii) let In, I, be the 2D gradient image with respect to x and y airect gra-ion.

9n=hxb g=hy*f

=) Gx=Hx· JF Gy=Hy. JF

=> J=F'(Gx) or J=F'(Gy)

Hy

Here is also the same problem as above