	Gurukul Page No.: Date: / /
, , , ,	
Ans3	- For the 1-D case,
	g = h * f
	1100 1 - 10
	Using fourier transformation,
	$F(a) = F(b) \cdot F(1)$
	1911
	$\Rightarrow F(f) = F(g)$ where f' is the
	$\Rightarrow F(f) = F(g) \text{where } f' \text{ is the}$ $= f(g) \text{element wise}$ $= division$
	The fundamental problem here is that of division by O. In areas of low frequency
	distribution the value of the function will
	shoot up, going to undetermined where at
	places in bee the frequency is O.
	In the Q-D case the above problem will
27	persist. Sport from that there's a
2	property of godient that will feel.
	Gradients are invociont te romolation
	But in this case in case of translation the uniquely determining the Original function
25	miguely deter mining the Deigned function
	Desuming that use translate 1/14
	ome constant that makes the Idanominator
	out some places. In this case, we woudn't
30	be able to unique determine 1 even
1	on though we ideally should be able to.
12713	August of the state of the stat
canhcu^l	py 'camobantici'

lions of dollars.