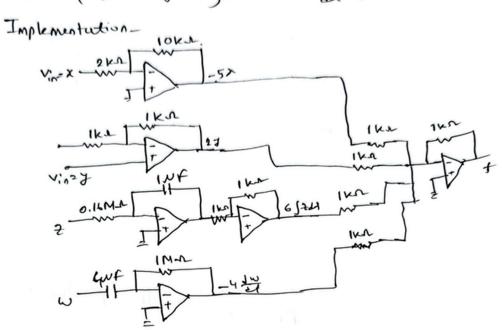
Ans no: 1

$$V_{x}-2UV$$
 $20 T_{x}$ 
 $V_{y}$ 
 $V_$ 

Hene,

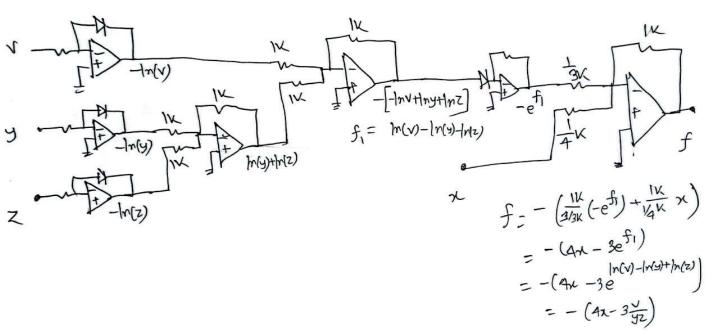
$$V_{I_1} = -\frac{1}{RC}\int ydt - \frac{1}{|x|0^{4}x|x|0^{6}}\int ydt = -\int ydt$$
 $V_{I_2} = -\frac{2\times 10^{3}}{2\times 10^{3}}V_{I_1} = -\left(-\int ydt\right) = \int ydt$ 
 $V_{I_3} = -RC\frac{dx}{dt} = -|x|0^{6}x|0x|0^{-6}\frac{dx}{dt} = -\frac{dx}{dt}$ 
 $\Rightarrow f = -\left(\frac{2\times 10^{3}}{2\times 10^{3}}\cdot V_{I_2} + \frac{2\times 10^{3}}{2\times 10^{3}}\cdot V_{I_3}\right)$ 
 $\Rightarrow f = -\left(\int ydt - \frac{dx}{dt}\right)$ 
 $\Rightarrow f = -\int (ydt - \frac{dx}{dt})$ 
 $\Rightarrow f = -\int (ydt + \frac{dx}{dt})$ 
 $\Rightarrow f = -\int (zt + 2\cos zt)dt + \frac{d}{dx}\sin zt$ 
 $\Rightarrow f = \cos zt - \left[\frac{zt}{\ln z} + 2\cdot \frac{\sin zt}{2}\right]$ 
 $\Rightarrow f = \cos zt - \frac{zt}{\ln z} - \sin zt$ 
 $\Rightarrow f = \cos zt - \frac{zt}{\ln z} - \sin (2xz)$ 
 $\Rightarrow f = 0.65 \times 10^{2} \times 10^{2}$ 

(AMS.)



b) 
$$f = -(3 \ln(x+y) - 2e^{z-w} - 5v)$$
 $x = -(3 \ln(x+y) - 2e^{z-w} - 5v)$ 
 $x = -(x+y) = -(x+y$ 

$$f = -4x + \frac{3y}{yz} = -(4x - \frac{3y}{yz})$$
 now,  $\frac{y}{yz} = \frac{\ln(\frac{y}{yz})}{e} - \frac{\ln(y) - \ln(y) + \ln(z)}{e}$ 



4.

## Answer to the question no. 05

