

PART – C	
Answer any TWO guestion Tis.	[2x20=40 Marks]
19. a) Prove that $n = 3(m_{2} + m_{m+n})$	
b) Evalua	(15+5)
20. a) Solve $(1 : z - 4y)_i \mathcal{Y} = 2 d : \dot{y} = c$	
b) Solve $(1^{-x} q^2 + q^2) \ge 1^{-1} q^{-1}$	(10+10)
21. a) Verify the Divergence theorem for $\mathbf{j} = \vec{f} = \vec{l} \cdot \vec$	
z=0 and z=1.	
b) State and Prove Wilson's theorem.	(10+10)
22. U Laplac nsform to Solve the equation $\frac{2}{2z-3} = \frac{1}{2} - \frac{1}{2} 1$	nat
2t = -3, t = 5.	
\$\$\$\$\$	