Mame: Shahzails Khan Roll Mo: 19k-0273 Sections BC-3G Assignment #2 Ex 4.44= f(x,y) 3 0 3/70 9/70 3/14 3/70 9/35 1/35 9/35 V35 4/7 3/70 9/70 3/17 3/7 1/14 3/7 To finds Try, Ty, Try, Pry $\frac{dx}{dx} = \frac{E(x)^{2} - u^{2}x}{2} = \frac{\sum_{n=0}^{\infty} x^{2} f(n) - (\sum_{n=0}^{\infty} x f(n))^{2}}{2}$ $=\frac{39-(3)^2}{14-(2)^2}$ $\sigma_{x} = \sqrt{\frac{15}{28}}$ = E(Y)-Mg
= XY+(y)-(2y+(y)) = 10 - 12

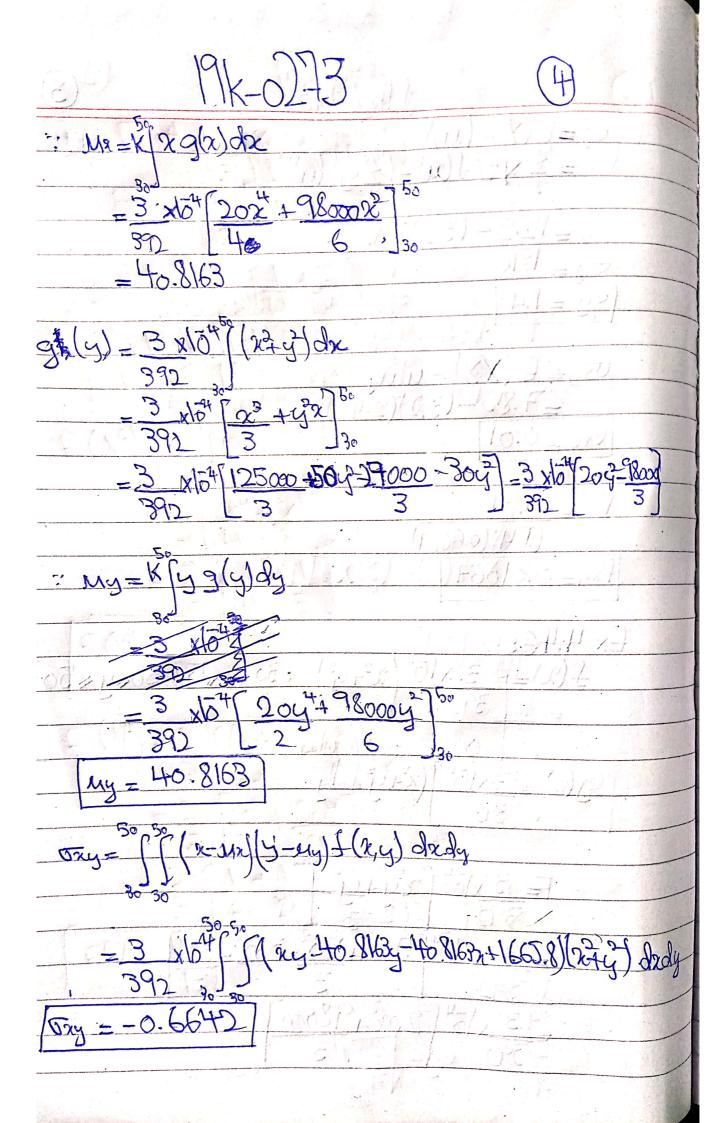
$$\frac{d^{2}xy}{d^{2}xy} = \frac{E(xy) - MxMy}{2xy} - \frac{2xy}{2xy} + \frac{2xy}{2y} + \frac{2xy}{2$$

Ex 4.45°

f(24)		X			1 2
	- /J	1	2	3	5
	1	0.05	0.05	0.10	0,20
4	3	0.05	0.10	0.35	0.50
	5	0.00	0.20	0.10	0.30
		0.10	0.35	0.55	1

$$\frac{dx^{2}}{dx^{2}} = \frac{E(X^{2}) - (ux)^{2}}{(ux)^{2}} \\
= \frac{2}{x} X^{2} + (ux) - (2x + (ux))^{2} \\
= 6.45 - (2.45)^{2}$$

Ja = 0.6689



EX4.478 5 (My)= 52 08481,08281 Mz=E

[(23+22)dx E (X) =

~ Try= Try = (0.2664)(0.283)