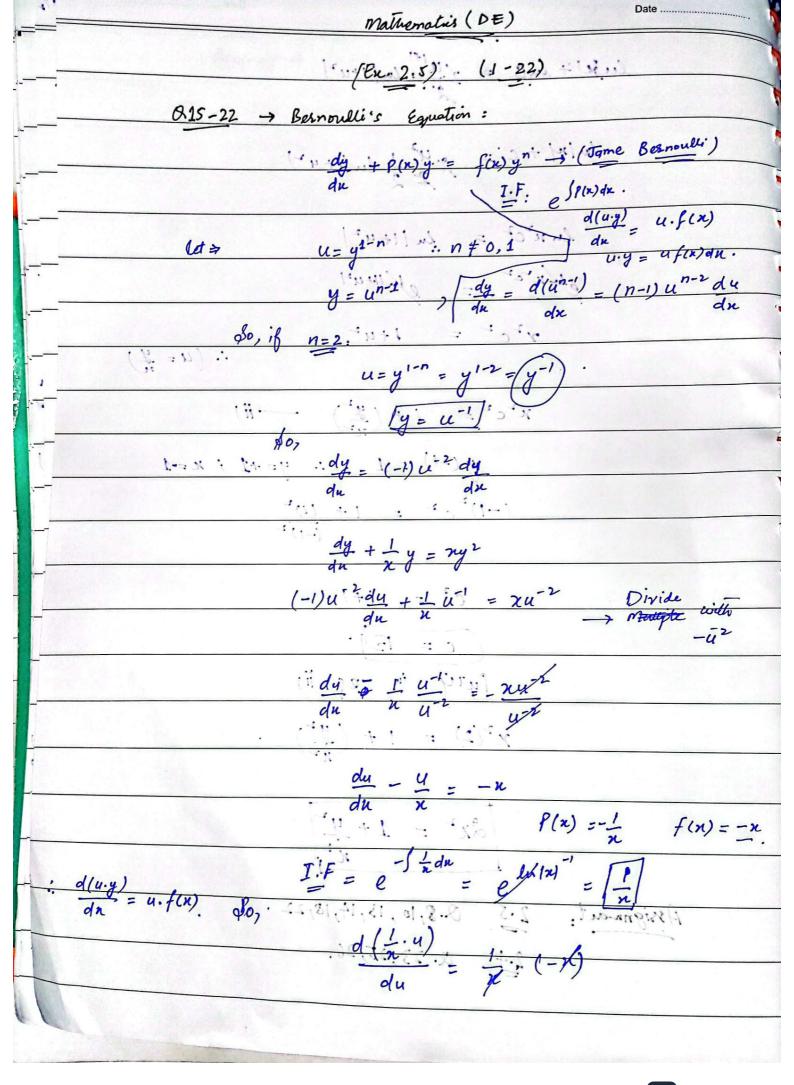
Mintere : should be equal to 2'y' => sum of both) which is 2.50, N(tx, ty) = - t22  $=t^2N(n,y)$ = t2 M( ), my - Divided by undi + ndu = 0 separation of

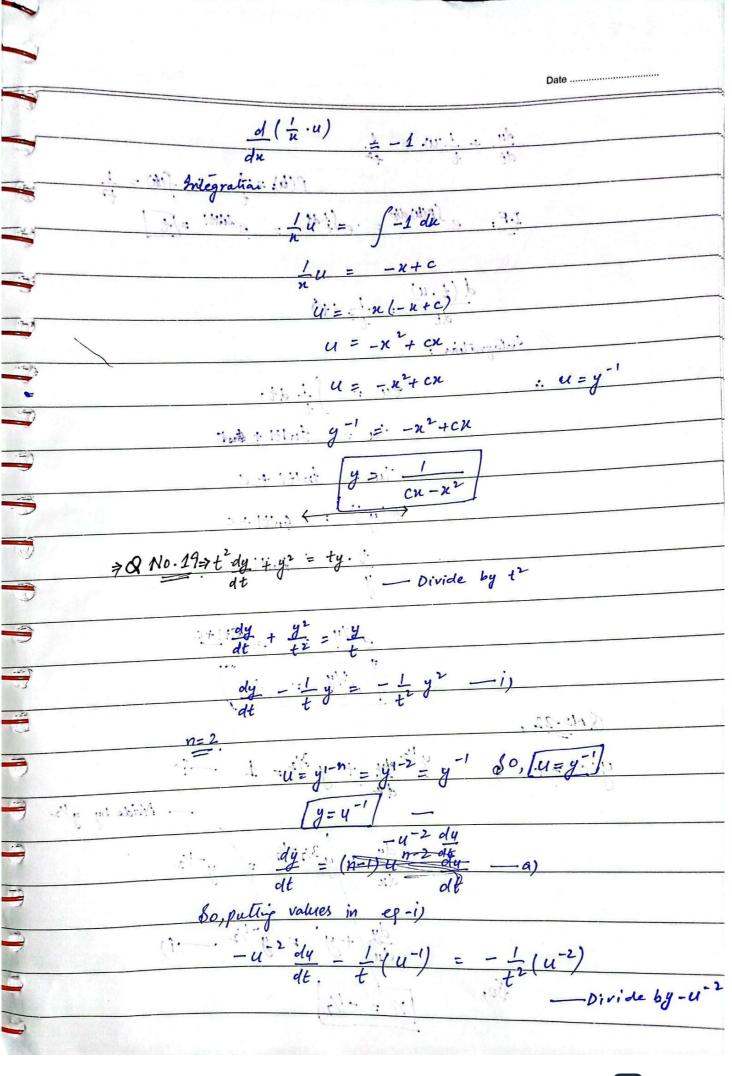
u2de = xduiting monograms  $\lim_{n \to \infty} x^3 = -\frac{x^4}{n}$ Hinto check powers of w have 2 bears should be ema from to be a on . . M . your ty all  $\frac{\ln cx^3}{e} = \frac{-\left(\frac{x}{y}\right)^3}{e^{-\frac{x^3}{y}}}$ 1 N (tarty) = - the  $\int_{\mathbb{R}^3} \left[ c x^3 = e^{-\left(\frac{x}{g}\right)^3} \right]$  $z \in N(\pi, y)$ ydut (n+ Try) dy = 0 signa) M= (n+Txy). MN(tn,ty) = tx+tlny M (trity) = ty =tN(x,y)= t = M(x,y) Wight a se well du + se ( with it solet) to 0 Puttig vale in eg - a) -y(vdy+ydv) + ((vy)+ [(vy)ydy = 0

(11/2 -1+2 = 1/2 -yvdy + y dv. + vy + ytvdy =0. 4/-11 01. - vdy - y dv + (v + 1 Tv)dy = 0. - vby -ydv+ vdy + tvdy = 0 -ydv + Tvdy = 0 Tvdy = ydv luigité = Visin E & M(n,y) T 2/2/2 0 - ( ) (x + x ( ) ) (x x ) 12 lufy + c = 6 + 2 (x )/2 o = (ukx+ uou ) u'x - n' ('y'x 2 + fe exhipte = e 2(3)" -Divide Long on what many of ey fait e 2( )" Q(14) When it down - while the x > x y dn + x ( : lux - luy -1) dy = 0 M(x,y):= y ( N(x,y) = x (lux-luy-1) M(tx,ty) = vty | vio N(tx,ty) = tx(lutu) - lu(txy) - 1)= to ( lust + lux - lust - luxy-1 = t M (n, y) = tx ( lux - luy -1) + N(x,4)

= 4. . 4. (12)  $(x^2 + 2y^2) \frac{dx}{dy} = xy, \quad y(-1) = 1. - a)$ (x2+12y,+) dx = xy ... · you + Tray .. o (x+2y2) du xydy =0  $M = x^2 + 2y^2 \dots N = -ny.$  M(x,y)M(tx, ty) = +1x2+. 2ty2 N(tx,ty) = -txy $= t^{2}M(n,y) \qquad = tN(n,y)$   $= t^{2}M(n,y) \qquad = tN(n,y)$ = tN(x,y) Puting value in ep-a)  $(n^2 + 2(u^2u^2))du = n(un)(udx + xdu) = 0$  $\frac{\left(x^2 + 2u^2n^2\right)dn - x^2u\left(udn + xdu\right) = 0}{-Div}$ -Divide by (1+2u2) du - 4 (udx+xdu) = 0 dn + 2n2dn - 42dx + undn = 0). 1 (1+222 42) dr = undx. (1- mb- xnd.) x = (post) (1+u2) du == 1, undu . Ly ( link - link - 1)

	6 Member Group
-	Date
	lufe + line in will a would
3	lufe + line = 200 luftruit
1	Olls-22 . Fernendli's Equation:
72/	12 2 luly 4 4 C = 2 2 luly 4 4 )
	(4) (.) (40) la x c? = (u / 1+42)
- 3,	No 2 2 - 1+112
-3	46 46 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3	$\chi^2 c^2 = 1 + u^2 \cdot c_{11} \qquad \therefore (u = \frac{u}{u})$
3	$n^2c^2 = 1+\left(\frac{y^2}{n^2}\right)$ — ii)
-2	n2)
	y(-1). = 1 . $y=+1$ ; $x=-1$
13	$\frac{(-1)^{2}c^{2}}{(-1)^{2}} = \frac{1+(1)^{2}}{(-1)^{2}}$
-	1 or
-	
	Able Standar M M
	C = [2].
A	Putij in regiti)
÷	$\chi^{2}(2) = 1 + (4^{2})$
9	si- 2 . who
) "-	$=(x)^{\frac{1}{2}}  (x)^{\frac{1}{2}}  \left( \frac{2x^{2}}{2x^{2}} \right) = 1 + \frac{y^{2}}{2}$
٢	(Min). 100 100 100 100 100 100 100 100 100 10
	Assignment. 2.5 Q.8,10,13,14,18,22.
	2.4 0. 23, 25, 26.
	n/c





Date
$\frac{du}{dt} + \frac{1}{t}(u) = \frac{1}{t^2} $
$\frac{dt}{dt} + \frac{dt}{t} = \frac{1}{t^2}$ $\frac{dt}{dt} + \frac{dt}{t} = \frac{1}{t^2}$
I.F. $e^{\int P(b) db} = e^{\int \frac{1}{t} dt} = e^{\int \frac{1}{t} dt} = e^{\int \frac{1}{t} dt}$
_
$\frac{d(t \cdot u)}{dt} = \frac{1}{t}(t)$
Integration : 1. 1. 1.
$\frac{1}{2} = \frac{1}{2} = \frac{1}$
Mo: Sx. tu = I Juli + Lat
$tu:= g_{nlt1} + c$ $(y') = g_{nlt1} + c$
to gultite tell on 800
the policy objects of the state
et/y = telle
$e^{t/y} = tc$
QNO.22.
y(0) = 4, 13 dr +1 y, 12 = 1 — Divide by y 1/2
in andy 1/3/201/2 -1/2
ola jo
$\frac{dy}{dy} + y = \frac{1}{y} = \frac{1}{y}$
10. 40 shines. 30, [n1/2]

u=y'-n = y'+ = /y 3/2 ; [u=y 3/2]  $\frac{du}{dx} = \frac{3}{2} \frac{3}{2} \frac{1}{2} \frac{dy}{du} = \frac{2}{3} \frac{3}{2} \frac{1}{2} \frac{dy}{du} = \frac{2}{3} \frac{3}{2} \frac{1}{2} \frac{1}{2}$ dy = dy dy  $\frac{dy}{du} = \frac{2}{3y^{n}} \cdot \frac{du}{dn} - i,$ 1. 9 /2 [ 2 dy] + u = 1.  $\frac{2^{2}}{3} \frac{du}{dn} + u = 1.$   $\frac{du}{3} \frac{du}{dn} = \frac{3}{2} \qquad P(x) = \frac{3}{2}; f(w) = \frac{3}{2}.$ 1.F: e (2)dx = [e /2x],

$$e^{3/2} \left[ \frac{dy}{dx} + \frac{3}{2}x \right] = e^{-3/2} \left[ \frac{3}{2} \right]$$

$$\frac{d}{dn} \left[ e^{3/2^n} \cdot u \right] = \frac{3}{2} e^{3/2^n}$$

$$e^{3/2^{N}}u = \int \frac{3}{2} e^{3/2^{N}} du$$

$$U = \frac{e^{3}x^{2}}{e^{3}x^{2}} + \frac{c}{e^{3}x^{2}}$$

$$(4)^{3/2} = 1 + ce^{-3/2(0)}$$

$$8 = 1 + C(i)$$