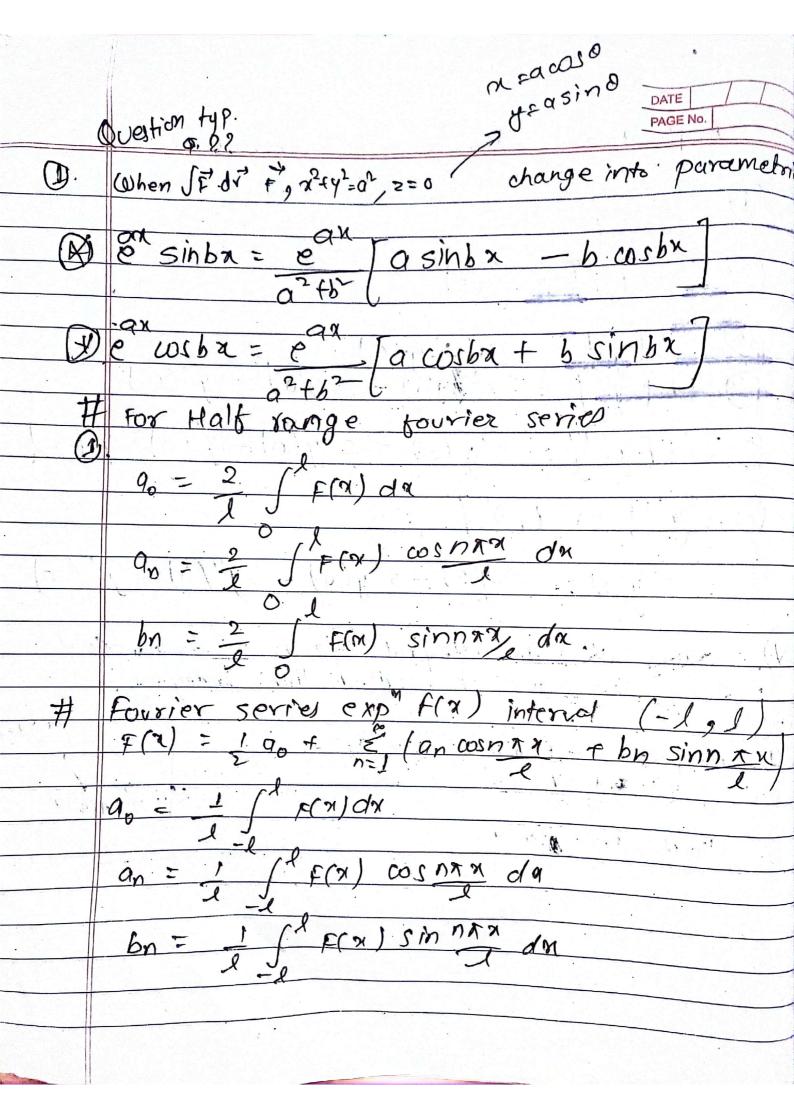


	DATE
•	Inverse Laplace trainsform. PAGE NO.
	SinA+B) - SinA-casB + cosA · SinB
	Sin(A-B) = sinA.cosB - cosA.sinB
0	os(A+B) = cocA. TeosB - sinA-sinB.
	cos (A-B) = cosA. cosB + sinA-sinB
•	25mA-wsB - Sin (A+B) + Sin (A-B)
	2 cosAsinB > sin(A+B) - sin(A-B)
	2 cost-corb = cos(A+R) -1 cos(A+B)
	$2 \sin A \cdot \sin B = \cos(A - B) - \cos(A + B)$
	0
	COS20 - 20050-1 COSO =
	$\cos 20 - 1 - 2\sin^2 0$
=	sin30 = 35in0 - 45in30
	$\cos 30 = 4\cos^3 0 - 3\cos 0$
	linear de non repeated
	$\gamma$
	(x-q)(x-b)(x-c) $x-q$ $x-b$ $x$
(y).	linear & repeated.
	X = A + R
	[x-9) (x-b) 2 2-9 x-b 12 15
(3)	linear la Quadratic.
V	22-12 = A 0.40
	(mfa) (n2-1 CX FD) 7-9 74 CC
	N4 CX ED

and the second s

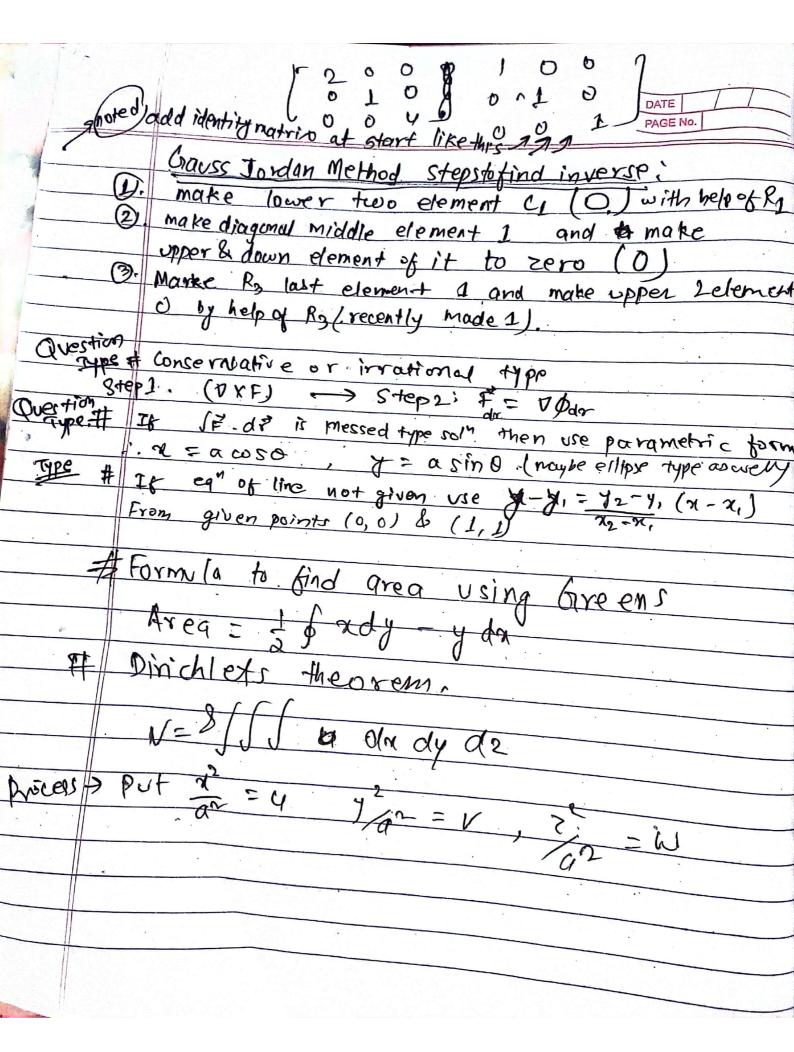
Application of Laplace Transforms AGE NOT
(1)· L[0] = 6
3. [[9] = y(s)
크를 발표하는 경계에 발표하는 것이다. 그런 그런 그런 그를 보고 있는 것이다. 그런 그런 그는 그런 그는 그런 그는 그를 가는 것이다. 그런 그런 15일 : (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
3 [y'] = sy(s) - y(0) 9 [y'] = s² [y(s) - sy(0) - y'(0)
9 2 (y") = 52 (g(s) - 5 y(0) - y'(0)
되고 있다고 있다면 그 이번 이번 그는 그에 가장 이번 없는 것이 되었다. 그는 그 그 사람들은 그는 그는 그를 가는 것이 되었다. 그를 가고 있다는 것이 없다면 하다면 없다.
(5) I[y"] = s3y(s) - s2y(0)-sy(0)-y(0)
@. L(y') or L[D4]
$= s'y(s) - s^3y(0) - s^2y(0) - sy''(0) - y'''(0)$
A) brows the Any integral which is evaluated along the wave is called line Integral
along the wive & called line Integral
Question 1
Or. Hong of = limit o to 3 y=0 dy=0
$\frac{3.  y-y_1 = 4y_2-y_1}{2x_2-x_1} (x-x_1)$
. [57.5] (31.5)
3. limit from \$3 to 4

.



tam(-0) = -tano Sin(-0) = -sina cos (-0) - cos & AGE No. # Main formula for forier seriel. (Any Question)  $F(x) = \frac{a_0}{2} + \frac{\sum a_n \cos(2nxx)}{b-a} + \frac{b_n}{b} \cdot \frac{\sin(2nxx)}{b-a}$ Standard Euleis formulo for forier sevies  $\frac{2}{b-a} \int_{a}^{b} F(x) dx$  $Q_n = \frac{2}{b-a} \int_{b-a}^{b} F(x) \cos\left(\frac{2nxx}{b-a}\right) dx$  $bn = \frac{2}{b-a} \int_{a}^{b} F(x) \sin\left(\frac{2nxx}{b-a}\right) dx$ Note: Sinn x = 0  $Cosn x = (-1)^n$ sinlnx = 0 cos2nx

11



	Matrix. To make identity matrix.
	PAGE No.
#	Gauss elimination process
Trey to an description of the state of the s	1. Make down didently in left side.
	1. Then back substitution and get value of x, y, z.
If Agive	n. Orthogonal matrix means. [44" = I]
#	Find A
	D (1) Find determinant 1)
	De Find copectors of all & sign ADD continous
	3. Arrange cosactors, in single matrix.
	(er). Find Adjacent (Adj) by transpose of cofactor motion
	· S. Find A = [ Adjacent]
#	For Eigen value & Eigen vector.
	(1) A-1I =0 suffract by 1 to diagonal elements.
	3. 13-PAT + QA-1A1 = 0 0 Find value of P
	by sum of diagnals of element & Q = sum of minors of
	diagonal, of 4.
(	Deplace in (1) Find 1= ( ) A Find.
	find for alve in state of the second to see the
	find y c which is now 1-3
-	(2) () eigenverson,
A	$\int_{1}^{2} \sqrt{a^{2}-x^{2}} dx = 2 \sqrt{a^{2}-x^{2}} + a^{2} \sin^{-1} x$
	2 10 -2 10 -2
4	
	the same of the sa

