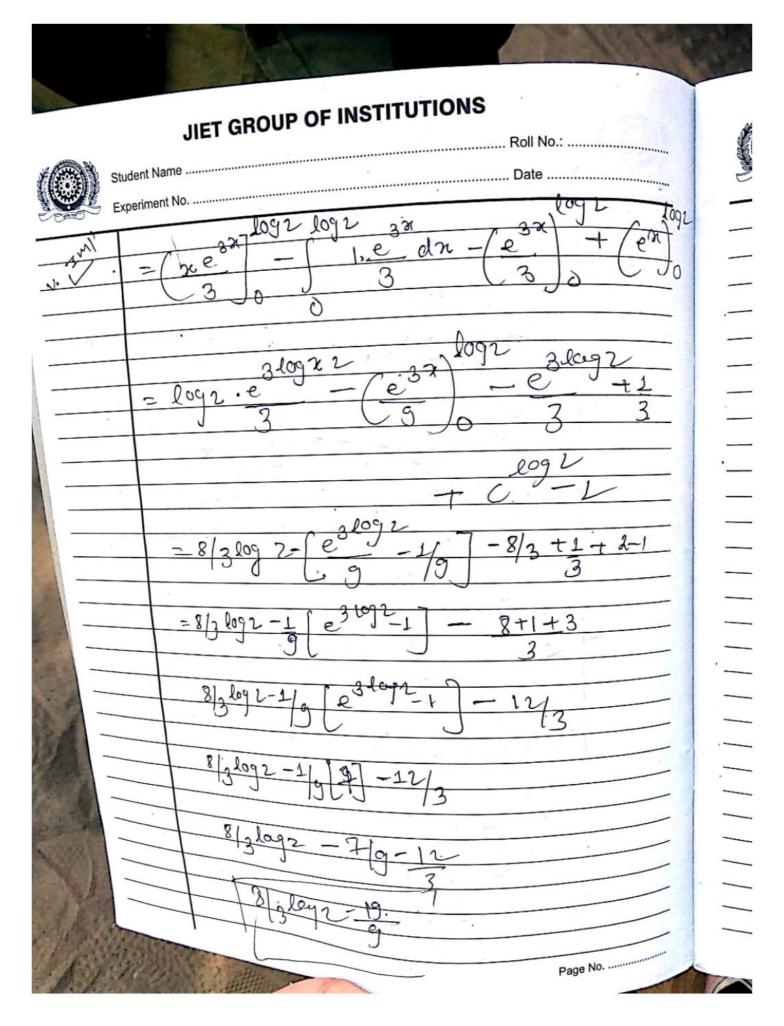


	Experiment No.
7, V. V. D.	To prove $\int (1-\mu^4) dx = L[-\mu_4]^2$ From that $\int \frac{\pi}{2} \tan \frac{\pi}{2} dx = \frac{\pi}{2} \int \frac{3\pi}{2} \cot \frac{\pi}{2} dx$ Brove that $\int \frac{\pi}{2} \tan \frac{\pi}{2} dx = \frac{3\pi}{2} \cot \frac{\pi}{2} dx = \frac{\pi}{2} \cot \frac{\pi}{2} dx$ Prove that $\int \frac{\pi}{2} \cos \frac{\pi}{2} dx = \frac{\pi}{2} \cot \frac{\pi}{2} dx = \frac{\pi}{2} \cot \frac{\pi}{2} dx$ Prove that $\int \frac{\pi}{2} \cos \frac{\pi}{2} dx = \frac{\pi}{2} \cot \frac{\pi}{2} dx = \frac{\pi}{2} dx $

No. of Street, or other transferred	JIET GROUP OF INSTITUTIONS
s	tudent Name Roll No.:
16 M	xperiment No Date
W	2 000000
CD	log 2 n notlog y
1	Evaluate. exty trandy dr
) '	
-	n=00 y=0 2=0
	log 2 200 100 met 77x+1007 20+20
	(extyte) an
· -	
	J 2
	log 2 x x x +y + ntlagy n+y
	e de dady
	0 10-6
	0 20 -
-	= log2 [y.e] _ented dad
	Jo Co - T
	70
	log2.
1	z Jy e de
-	-e(2)
	0
	log2 (3x / 2x+y) - (e2-e2 dar.
	= \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	O .
	log 2 322 2d /2 7
	= [n.e32-e3+e/-e/2+e21 dn
	2012 22 22 20 7
	= 1 n.e -e +e dx.



	JIET GROUP OF INSTITUTIONS
	Student Name
	Come is Klas line l'integral.
	Fod~ = [F10x+F2dy+F3dz]
	Workdone 8 - xi +yj +zk. dr = dr i +qui +dri
	P = fire +f2-j+f3 k.
	clased curere circulation clased curere circulation clased curere circulation cheve f= (x+y2)
	C- curve fy=xx+ in xx-plane
	from (0,0). to a 3,9)
	(22+y2) dr + ny dy.
	$\int_{\infty} \frac{3}{x^2 + x^4} dx + x \cdot x_5 \cdot x \cdot dx$
-	= C 22+ 3 x 4 d 2
	$\frac{2}{3} + 3 \times 5 $
	$= \frac{3}{3} + 3 = \frac{3}{3} $

	Student Name	
×1.	405+ 2187 = 2191 = 146.06	
	In parametric tooms	,
	$y=\phi_2(t)$,	
	$\int_{C} f \cdot dr = \int_{C} (f \cdot dr) dt$, ,
	$\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$	
		- 1
-,7	Evaluate J f o dr f = my i + yzy +zo c > Curu r=ti +ty++3k	21k
	8= 21+41+2k t Vourie	esh:
	nety y=t2 zet3	_
	$\int_{-2}^{2} t^{3}i + t^{3}j + t^{9}k.$ $d\hat{y} = [-t^{3}t] + 3t^{2}k.$	
	Page No	- -

Scanned by CamScanner

	JIET GROUP OF INSTITUTIONS Student Name
	Experiment No
	Pdr = t3+2+6+3+6 = t3+5+6
	J(Fodr)dt = J (t3, +5t6)an
	ty + 5.t7 - b
	$= \begin{bmatrix} 1 & + & 5 & - & (-1)^4 & + & 5 & (-1)^7 \\ \hline 14 & 5 & 7 & 7 & 7 & 7 \\ \hline 14 & 7 & 7 & 7 & 7 \\ \hline 14 & 7 & 7 & 7 & 7 \\ \hline 15 & 7 & 7 & 7 & 7 \\ \hline 16 & 7 & 7 & 7 & 7 \\ \hline 17 & 7 & 7 & 7 & 7 \\ \hline 17 & 7 & 7 & 7 & 7 \\ \hline 18 & 7 & 7 & 7 & 7 \\ \hline 19 & 7 & 7 & 7 & 7 \\ \hline 19 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 10 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 12 & 7 & 7 & 7 & 7 \\ \hline 13 & 7 & 7 & 7 & 7 \\ \hline 11 & 7 & 7 & 7 & 7 \\ \hline 12 & 7 & 7 & 7 & 7 \\ \hline 13 & 7 & 7 & 7 & 7 \\ \hline 14 & 7 & 7 & 7 & 7 \\ \hline 15 & 7 & 7 & 7 \\ \hline 15 $
	200 4 8 + 20 - [+1 - 5]
	28 28 (Y 7).
2 4 2	1-[+8-5]
	1= 31 = 28-13= 1-5
Joenan	128 28 28 1=1012 Aug
Jan Co	
03	Evaluate of F. dr. , = (n2 +y2) i - 2 xy/
	6 - sectangueur inn-yplance.
The second second	Page No

Student Na	Student Name			
			Roll	No.:
	t No		Date)
	145 AS			-
,	9=0 ·y=b.			
. (00 9=6	Bearb)	
	() () () () () () () () () ()	B		
a	(50 /	N-9		
	0 0	Arajo)		
	(0,0) 7-0			
*	P. dr = C	x2 + 42)	nl	10 081
	J. u.	or 790)	an- gu	y ay.
	O line jute	great al	ong OA	Anco yes
7		1		
	1 +00	18 =	Mrd N	=a3/2
	ÖA	21=0		15
2	line integral	along A	B 2 2-	a 420
	J		×	dako
	^		an=0	
	1 6 dx=	b :	<u> </u>	
1	AB	-) 2a	Jay.	
	1413	0		1 250
	da	of you		The Market
	a		101 <u>- 5</u>	· · · · · · · · · · · · · · · · · · ·
		<u></u>	-	
1000		0152	70 -	D. 20 - 20
1		My.	1h	Page No

NO SECTION ON	oilli diloor or	1421110110112	
	Student Name		Roll No.:
	Experiment No		
	Q		
	3)= line en	gran alen	1 BC.
	/	•	
	rea to o	y25 a	y = 0
	(nety	<u> </u>	
-			
	O		
			- : 4
•			C 20 */
+	·		
	,		
	,		1
	·	•	
	,		
·			
	- Section 1		- i. E
	,	T.	
			- 1
	A	7	
			Page No

JIET GROUP OF INC.	Roll No.:
Experiment No.	
tivel valure of Salid ger revalurion on ceasura	about its
anymptote. y2 (2a-m)= y2-ca sin2	<u> </u>
Solution. Eg of Cu	nue 92=213 20-22
here n= 2a	
So the you	me ising
V= \frac{2}{2} Cdy	
Nawdiff w?	
y ² = n3 Jana.	
2y dy/dna 3n2 ((da-x)-n3(1)
dy dy/dnz 6ax2-	- 2m3 a-nje
	Page No

Scanned by CamScanner

1988	JIET GROUP OF INSTITUTIONS
N may	Student Name
	Experiment No
Control of the contro	
	dy(dn=n2 (3a-n) = J2a-x
	(2a-21)2
	de - In (3a-20) odre (da-21)2/2
	(da-21)3/2
1	
	put this in(2)
1	da
1	N= 2 2 (20-20) Tr. (30-20) dr.
	$(2\alpha - 2)^{312}$.
	20
	re 22 Jr J2a-2 (3a-2) dr.
	30
	let 20 = 2a sin 20
	dn= ua fine , cose do.
	7/2
	2/2 Xya kno Cosouo.
	V=16 xa3 Sin20 (6520 (3-2 sin20) do.
	- 10
-	2-16203 3X 2+1/2 2+1 -2X 4+1 2+1
	2 2
	2)2+2+2 2/2+4+2
	2
	Page No
	Fage 140

the s	JIET GROUP OF INSTITUTIONS Student Name
nit re	Student Name
	16 7 a 3 3 3 12 3 12 - 2/2 512 3 12 14.
	2 1620 3 3/2 X 3/ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	2x4x2 x 2
	v= 1620 39 32-27.
	シー 203×2x. シー 222a3
Cf	Prove that Surface generated by revalution. 1 of tollowing tractoric about lets asymphy e's equa to Surface area of sphore of radius 1 n= a cost + ap lag time (th.) 2 y= a fint
	Calution S= J2 ry dQ.
	drydt= acos2t ; dy - acost Sint Asymptote
	Page No. 1-C.

3	JIEI GIOO.
	nt Name
stude	nt Name
Expe	nt Name
EXPO	
//	an - / az / to day /2
	at & Jat at
	T 201 +020 20
1	- [a2cos21+ ta2 cos20 = a ca+t.
	Sin2t
	· · · · · · · · · · · · · · · · · · ·
	Curve is by normatrical about but.
	anymptote so,
	when t=0 1 2=- 0 and t=2/1/2/20
	1/2
	Silf 27 y cls/ at
	J Od Odt
	7/2
	= 42 a sint a catt dt
_	712
_	= Nn a2 (Sint Cont + at)
	= un a2 Sint, Cut + at.
	7010
	= 4202 Sint · Cost dt
	JO 31-01 - COST (M)
	()1001
1_	2/2
_	= 4na 2 (sint) = 4na2-
-	
-	Surface and - Mar - Surlan a
1	and the content of the content content
	hence proved Page No.
	revice 12 rover Page No

Scanned by CamScanner