	grufali kansal
	2018 UIC30+1 Page No
	ICE-2 Date
	Matro assignment.
	Matris assignment (Heat equation)
0	Ford socution of
1	
	<u>su</u> _ h² su
	8x2 8t.
	for which
	for which $u(0,t) = u(1,t) = 0$, $u(y_0) = sm\pi n$
	my method of superaule.
	Su \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Su 1 52 8t - h2 8x2
	It's solution is
	-02+
	M=(c) cospn + (2000 smpn) Ge h= +1)
	Put 11=0, 11=0 in (1), me have
	- p²+
	0=c1(3e h= =) c1=00
	Put c1 =0 in (1)
	N= C2C3 SIMPLE h2 - (2)
	12 C2 SIMPLE 1 - (2)
	Put x=2, u=0 in (2), m have
	fut N-V, and III
	0 = C2C3 smpleth
	$pl = n\pi$ $p = n\pi$
	pe = 1175 Pe

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	Truen (2) lucomes
	$M = \ln sm \left(\frac{n\pi d}{l} e^{-\frac{n^2\pi^2 t}{l^2h^2}} \right)$ (by = c2c3)
	11.07 JUG (1) " DUE (1,0.14)
	". General equation
	2 2
	1 = 5 bn sm [nt]n e = 12h2 -(3)
	$\frac{1}{125} = \frac{1}{5} = \frac{1}{12} $
	put t=0, and u=sm(nu)
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	$sn(\pi n) = \frac{s}{s} bn sm \pi n$
No.	() () () () () () () () () ()
	- trief
	5m Tin _ b_ sm (27m) + b_ sm (27m)
	() ()
W.C.	b = 1
	Henry (3) lumis
The state of	M= sm (a-112) e tihe
	a when they can
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