## MINITES

	Date:
	0 41
	9#1
	Definations
	Custem
	: System is a body
	of matter and radiation, confined
-	marter wie with defined
<del></del>	in space by walls, with defined
-	Permeabilities, which reparate it
	from its surroundings. Wall
A. 1	at the smooth neural styles
	he pusely national, when it is
	described as being resmedite to
	all matter all vaoliation and forces.
	1) :- Piston, enhoust system etc.
	Surrounding
1	:= TEursundings are
	M displayed
	the area around a given
	Physical geographical Point
	or Place. In thermodynamic.
	everything outside the system is
	Celled surrounding.
	AL. A. C.
	TIX CTC
-	

CANISIIIO42

Date:	CANTING	MTWTFS
, delia ba	tic Process	
		The frozen
in wh	uch no heet	trenfer
take f	love, doesn't	meen that
	ture is con	
11	that no h	
11	emed into	
- from	the system	
U	•	. 755
Isolate	ed system	
1	- 0	he system
in whi	ch only for	ces thet
contribute	to the m	nomentum
Change	of an in	dividuel
	are the	
between	the object	to themselves
	e con consid	
	System	
	0	

1. Abalulleh CHNERIIIOYL Extensive Property Property of matter that changes as amount of matter Changes. Like other Physical Properties. Extensive Property may be observed and measured without any chemical change or reaction occurring A - 2600 KJ/kg Required.

M. Aladu 11eh

	Date: CANEIR 111042 MITIMITIE	
	Date: MTWTF	(8)
	Solution	
-	h-hf+xhf8	
	2600 - 687.1+ X(2064.9)	
	2600-697-1=x(2064.9)	
	1902.9=x(2064.9)	
-	X = 190).9 2064.9	
	[7-0.92]	
	û=uf+xufg.	
	=696.3+(0.921)0571.1-696.3)	
	= 696.3 + (0.921)(1874.8) $= 696.3 + 1726.6908$	
	û= > 4>0 Kg/kg	
-[	-0.00(100+(0.921)(0.)73-0.00(100)	
	=0.00(100+(0.921)(0.271092)	
	$= 0.001108 + 0.25041$ $\hat{v} = 0.2515  \text{m}/\text{kg}$	
	2 2 1 3 m/kg	
The same of the sa		

M. Adulleh CHN 19111042 MTWTF3 Date:\_ Q#3

	:	
	Griven deta:  m = 10 kg	_
	m = 10 kg	
	P_ = >0 had	_
	V= 1 cm3	_
	Post = 100bax	1-
	Be relation = Pris = constant.	`.
	Solution	<u> </u>
	W=?	
	P= 100 bar 100 kPa = 10 MPa	
	Ibar	
	$V_{z} = ?$	
	PN = BN => NS PINS	
	P2	
	1= >mPa/0.1m3/1	-
	(Kg) (10Mpg)	-
	1.5/1.5 31	#
	- 12 - (0.2 × 10.11) m/g	$\parallel$
	= (0.0x0.0316)	
- 3	( ( ( ) ( ) ( ) ( ) ( )	

## CHENIS111092

D	ate: MTWTFS
	V2 = 0.0342 m/kg
	0.0342
	$\hat{W} = \int P \cdot dV = - \int P \cdot dV$
	0.1
	QV = PIVI
	$=\frac{2MPe 10\cdot1m^3 111}{(eq)}$
	P= 0.0632 MPR
	$\hat{\mathcal{U}} = \begin{cases} \frac{0.0032}{2^{1.5}} d\hat{V} \\ \frac{1}{2} \frac{1}{$
	= 0.632 1 0.342 -0.5 Vo.5
	$= -\frac{0.0632}{0.034} = -\frac$
	= 0.2838MPam 1000KPa/1KN = 1MPa/1KPam-
	les I WIN I WITH
	W=203.8 KJ/kg

## CHENGIII042

Da	te:
	9/=?
	A stete 1 P=>MPe, T=>13.62
	U, =?  U, (45/kg) T(2)
	2600.3 212.4 U, 213.6
	2828 255 Un = 2602.97 VS/VS
	At Stele 2. P. = (omPe, 2=0.03422)
	1, (res/eg) T(°C) 3045.8 0.0378
	Ün 0.0342
	3144.5 Q=3095
	$D1\hat{I} - 1\hat{I}$
	(3095.15-2602.97) les/kg DÛ = 492.18 rs/kg
	DU = 482.18 RS/60

## CHENISIII042

Date:	MTWTFS
	01 +11)
DU = Q = 0	
W= 2	
g=(482.	18->03.8) respeg
Q = 20	0 R. 38 12/kg
	•
T ( c)	12 (m³/kg)
500	7.325
7	0.325
550	0.0356
Tz	= SX.02
4	
	·