* Shatant Hussain NAME Reg # + chen19111034 Subject * Thermodynamics aNo.1 System: Park of universe under consideration rs renown as system. eg All The organ that work together for digethion Surrounding .-Everything in universe except System is called surrounding Adiabatic Process:-A Adiabatic Process is a type of thermodynamics Process which occur without transferring heat or mass between the system and its sociolounding Isolated system:-In thin type of system both mass and energy cannot enter or leave the system

Short Gat Mussoin PHOZ Chan19111034

Extensive Property:-A Proporty that defends on the amount of matter in a sample, mass and Volume are example of entensive Properties.

$$n = \frac{1902.9}{2064.9}$$

PHOU

$$\hat{U} = Uf + V Uf S$$

$$= 696.3 + (0.921)(3171.1-696.7)$$

$$= 696.3 + (0.921)(1874.8)$$

$$= 696.3 + 1726908$$

$$\hat{U} = 2420 \times 17$$

QNO3

Given Data

$$M = 10 \text{ M}$$
 $P_1 = 20 \text{ M/V}$
 $V_1 = 1 \text{ m}^2$
 $P_2 = 100 \text{ best}$
 $P_2 = 100 \text{ best}$
 $P_2 = 100 \text{ best}$
 $P_3 = 100 \text{ m}^2$
 $P_4 = 100 \text{ best}$
 $P_5 = 100 \text{ m}^2$
 $P_7 = 100 \text{ m}^2$

From steems toble

Steam is superheated

$$\frac{T(c)}{212.4}$$
 $\sqrt{(m^3/15)}$ $0.03.96$ 0.1

$$y((y_2-y_1)(\frac{y_1-y_1}{y_2-y_1}))+y_1$$

$$P_{2} = 1.2 \text{MPc}, \hat{V}_{2} = 0.0342 \frac{\text{m}^{3}}{15}$$
 $V_{2} (\text{FIFF}) = 0.8728$
 $V_{3} = 0.0356$
 $V_{3} = 0.0356$

$$\frac{13}{13}$$

$$\frac{13$$