Central Tendencies Assign ment ( 9, 7, 11, 13, 2, 4, 5, 5 M= 9+7+11+13+2 + 4+5+5  $\mathcal{M} = \frac{56}{8} = 7.$ impost nupy as np. a= np. array ([9, 7, 11, 13, 2, 4, 5, 5)) mean\_ral = ce. mean () L> 7.0 2.2, 10.2, 14.7, 5-9, 4.9, 11:1, 10.5 M= 59.5 = 8.5 nungy

a. mean ()

 $\frac{11}{4}$ ,  $\frac{21}{2}$ ,  $\frac{51}{2}$ ,  $\frac{31}{4}$ ,  $\frac{21}{2}$ . 14 42 + 62 + 62 + 12. W = 64.45 = 13.95 M= 2.75 + 10.5 + 25.5 + 7 F5 +10.5 Sibonaci mean n1, n2 = 0,1 nterms = 10 1st = [7 for i in range (nterms): Ist. append (ni) new = n, +n2 n, = n,

Na = new

Frent (Sum (lst) / len (lst)) = 8.8 3 Mean and median of first 5 Prime numbers Primes = [2] Count = 1 while count < 6: for you range (3, x, 2): if x //y ==0: X + = 2Primis append (x) x += 2. Court += | Posent (Posens) -> (2,3,5,7,11) arr = np. array (Primes) Pront (ars. mean()) -> 5.6 Prant (np. median (arr)) -> 5.0

= 66 8+11+6+14+ x+13

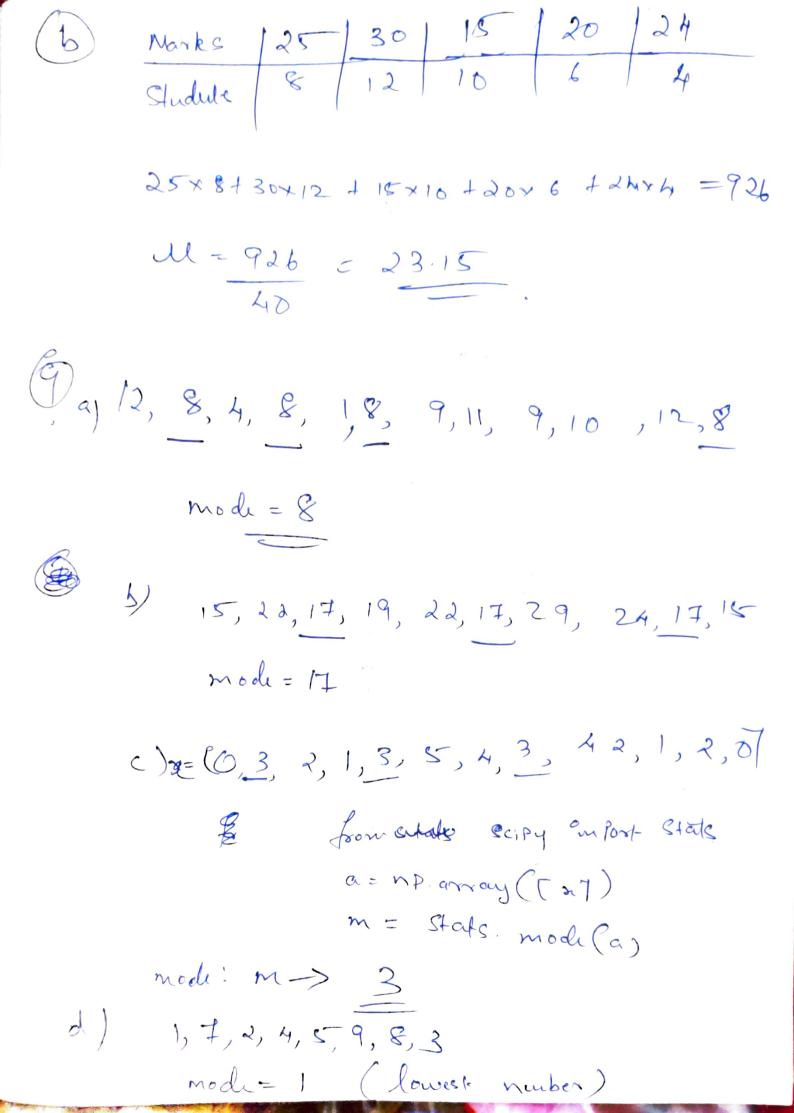
$$x = 396 - 52$$

$$\frac{9}{4} = \frac{6 + 8 + (n+a) + 10 + (2n-1) + 2}{6} = 9$$

$$3n = 54 - 26 - 1$$

$$x = \frac{27}{3} = \frac{9}{2}$$

$$M = 236/20 = 11.8$$



(10) 14, m, 24, n+7, 35, 36, 46. no of observation = I media = I+1 = Ith observation n+ 7= 25 n= 18 b) two possibilities emist. Citus n = 25 x++=>32. n= 15 optiond) Moch can be used to find the most common favourte colons.