PRACTICE QUESTIONS: STATS ASSIGNMENT-1

0, 0,		
a Range	mean-	
Q-1 fend the Range 1-10	fuguency	
11-20	2	
21-30	10	
31-40	3	1.71
41-50	1	
(d		

1 50

*	V	m	mf
0.5 - 10.5	2	5.5	11
10.5 -20.5	7	15.5	108.5
20.5 - 30.5	10	25.5	255
30.5 - 40.5	3	35.5	106-5
40.5 - 50.5	1	45.5	48.5
	N=23		526.0
7 1		San Carlotte	

X = 2mf = 22.89

X = 22-89/ Ans

frequeny 2 6 Range 0-10 10-20 15 20-30 30-40 10 40-50 11 50-60 5 Sef. mf m 0-10 10 5 10-20 15 105 20-30 15 25 375 10 30-40 35 300 40-50 45 11 495 50-60 55 275 N=50 1610 2mf = 1610 = 32.2. 50 X = 32.2

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No. of students 1 Enam - Sipre 51-60 8 61-70 15 71-80 81-90 91-100 81. X F m mf 50.5-60.5 4 55.5 222 60.5-705 8 65.5 524 70.5-8.5 15 75.5 1132.5 80.5 - 90.5 8 85.5 684 90.5-100.5 5 95.5 477.5 N=40 3040 $\bar{X} = 2mf = 3040 = 76$

TX=76/ Ans.

Q=2 finddata Sol. aiven, X1 - 75, 12 = 60 NI = 1000, N2 = 1500 X12=? 1. X12 = XINI + X X12 = 75 × 1000 + 60 × 1500 NI+ NZ 1000 + 1500. = 750004 90000 2500 = 165000 = 66 2500 X12 = 66 / Ans. Q-3. Compute---- qnoup sol liven = X1=113, X2=120, X3=115 N=50, N2=60, N5=40 V123=3

: X123 = XIN1 + X2 N2 + X3 N6] N1 + N2 + N6

 $\overline{X}_{123} = 23200 = 116$

| X123 = 116 | Ane.