

≡ 3 finding mode

• for T-1/T-2, The value corresponding to maximum freq. is called mode.

(i) find mode in full class

(i) 5, 6, 7, 7, 3, 3, 4, 9, 5, 7, 1, 0, 0, 5, 7
 \Rightarrow mode = 7

(ii)

value	freq
10	6
20	20
30	14
40	30
50	50

• for T-3

mode is defined as: $M = x_0 + \left(\frac{f_1 - f_0}{(f_1 - f_0) + (f_1 - f_2)} \right) \cdot l$
 $\frac{f_1}{f_0}$ = freq. of modal class
 $\frac{f_1}{f_2}$ = " " the class prev. to modal class
 f_0 = " " " " next " "
 l = interval length of modal class
 x_0 = lower limit of modal class

(1)

class interval	frequency
0-10	5
10-20	15
20-30	35
30-40	30
40-50	7

f_0
 \leftarrow modal class $\Rightarrow f_1$
 $\leftarrow f_2$



mode can be here & here also
 \therefore frequency class is each one

$$x_0 = 20$$

$$f_1 = 35$$

$$f_0 = 15$$

$$f_2 = 30$$

$$l = 10$$

$$\Rightarrow M = 20 + \left(\frac{20}{20 + 5} \right) \cdot 10$$

$$= 20 + \frac{20}{25} \times 10 = 28$$

\therefore towards right

Note

if uni \Rightarrow



\Rightarrow answer shift towards left.