1)
$$x + i$$
 $x_1 + ix_2 + ix_3 + ix_4 + ix_5 + ix_5$

 $\frac{011}{65} + 0\frac{2}{2} = 20 + \frac{190}{20}$ $\frac{11}{15} + 00 = \frac{190}{15}$ $\frac{11}{15} + 00 = \frac{190}{15}$ $\frac{11}{15} + \frac{190}{15} = \frac{190}{15}$

Mode = $\lambda + \frac{f_1 - f_0}{2f_1 - f_0 - f_2} \times \lambda$ $f_1 = 25 + f_0 = 20 + f_2 = 23$ $f_2 = 30 + \frac{50}{7}$

2 37.143

$$40-50$$
 3 4 $\frac{N}{4} = \frac{120}{4} = 30$

$$60-70$$
 21 $31 \leftarrow \frac{3N}{4} = \frac{360}{4} = 90$

$$90 - 100 \quad 9 \quad 120$$

i)
$$\alpha = \lambda + \frac{N_1 - m}{t} \times h_{11}$$
 ii) $\alpha_3 = \lambda + \frac{3N}{4} - m \times h$

$$m=15$$
, $f=21$
 $m=79$
 $f=70$

$$B_1 = 60 + \frac{30 - 15}{21} \times 10$$

$$\frac{21}{21} \times 10 = \frac{90 - 79}{32} \times 10$$

$$= 60 + \frac{150}{21}$$

$$= 60 + \frac{110}{32}$$

Ax of the had a special

1)
$$\frac{1}{1}$$
 $\frac{1}{1}$ \frac

$$Mode = 20 + \frac{46 - 38}{92 - 38 - 35} \times 10$$

$$\Lambda = 10$$
, $m = 22$, $t = 39$

13534.24

Coeff of 6.0 =
$$\frac{Q_3 - Q_1}{Q_3 + Q_1}$$

Median =
$$L + \frac{\frac{N}{2} - m}{f} \times h$$

$$\frac{N}{2} = \frac{161}{2} = 80.5$$
, $L = 20$

$$\frac{N}{4} = \frac{161}{4} = 40.25$$

$$= \frac{10 + \frac{182.5}{28}}{28}$$

		A 100					
6)	marly (n)	No of students (ti)	χί	fin;	ni - 32.09	(mi-x) 2	
	0-10	τ	2	25	-27.09	733.87	
	10-20	7	727	105	-12-09	292.07	
	20-30	14 min	25	350	7-09	50.27	
	30-40	12	32	420	2.91	8.47	
	40-50	9	45	405	12.91	92166.67	
	20-60	b	55	330	22.91	524.87	
	60 - 30	2	65	130	32.91	1083.07	
	8 A . 12	02 551	- 11	1765	20-37		
	Z Z N Z fixi				fi (n;-x)2		
	$\frac{176r}{55}$			2044.49			
	232.0900 + 1 N. J.				703.78		
	62 = 1 = f(x:-x)				101.64		
	= (13/334:65)				1500.03		
					3149.22		
	6 2	242			3 + 11 2	166.14	
	03. P1 03. P1 05. S707				13334.65		
Ci a	1. July 2 %	The too	2 80	1.	1-F-031	la g	

03-61

(-0 - 0)

282000 TIP. PIN COB. NI - MIS. NI

Median =
$$\frac{1}{100}$$

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Median = $\frac{1}{100}$
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a) c. I + x; f: x; -A) filix; -Al 100 22.4 MOIFOO3 20-30 4 25 756.4 35 2185 12·4 30-40 LEDS 40-50 132 45 5940 2-4 316.0 rr 8415 00 7-6 50-60 153 1162.8 16890= 38 350 YZPO3

M.D = 1 & f. | x: -A|

A = mean = 1 Efini

A = 16590 247.43

Mean deriation 2 1 (2325.6)

38-8 PP3 = 6.645 2P

 $(x-x)^{2}$ $(x-x)^{2}$ 153-74 9879.3b 5.76 760-82 $\frac{20754}{288} = \sqrt{\frac{20754}{350}}$ $\frac{8837.28}{20984}$ 760-82

AKAL DOM

12.57

16

ul y w

M.D = 1 (619.36)

= 8.395