

Quiz \rightarrow sta 201

$$1. Q_1 = \frac{1 \times 20}{4} \Rightarrow 5$$

$$\text{then } 5 + 6^{\text{th}} \Rightarrow \frac{28 + 28}{2}$$

$$\Rightarrow 28.5$$

$$P_{98} \Rightarrow \frac{46 \times 20}{100}$$

$$\frac{20}{4} \Rightarrow 5.6$$

$$\Rightarrow 9.2 \Rightarrow 10^{\text{th}}$$

$$\Rightarrow 34$$

$$87 \rightarrow (12 + 25 + 18 + 8 + 5)$$

$$= 14$$

$$\therefore 65 \times 12 + 75 \times 25 + 85 \times 18 + 95 \times 14 + 105 \times 8 + 115 \times 5 \Rightarrow 2255$$

$$\bar{x} \Rightarrow \frac{2255}{87} = 25.92$$

②

$$\frac{n}{2} \Rightarrow \boxed{43.5}$$

f_i Cumu

60-70

17

70-80

25

42

80-90

18

60

→

90-100

14

74

100-110

8

82

110-120

5

87

$$ME = 80 + \left(\frac{43.5 - 42}{18} \right) \times 10$$

$$\Rightarrow 80.833$$

$$\textcircled{2} M_0 \Rightarrow 70 + \left\{ \frac{25 - 17}{(25 - 17) + (25 - 18)} \right\} \times 10$$

$$\Rightarrow 25.333$$

$$(1 + \frac{0}{100})n \Rightarrow 1n \rightarrow 1st$$

$$(1 + \frac{13}{100})n \Rightarrow 1.13n \rightarrow 2nd$$

$$1.13n \rightarrow 3rd$$

$$(1 + \frac{20}{100})n \Rightarrow 1.2n \rightarrow 4th$$

$$\sqrt[4]{1 \times 1.13 \times 1.13 \times 1.2}$$

$$\Rightarrow 1.11258$$

$$1 + \frac{x}{100} = 1.1126$$

$$\Rightarrow 11.26\%$$

$$\text{at 5th year} \rightarrow 1.1295$$

$$\Rightarrow 12.95\%$$

$$5 \times (30440 \times 12.95\%) + 30440$$

$$\Rightarrow 34381.98 \Rightarrow 50530.4$$