

$$\Rightarrow \text{No.} \Rightarrow 3.625 - 3.265 = 0.360$$

$$= \frac{\text{Error}}{\text{Original no.}} \times 100\% = \frac{0.360}{3.625} \times 100$$

$$= \frac{360}{3625} \times 100 = \frac{288}{29}$$

$$= 9.93\%$$

10/24  
c/w



$$\begin{array}{r}
 \text{Error} \rightarrow 5,780 - 5.87 \\
 - 5,830 - 5.78 \\
 \hline
 0.09
 \end{array}$$

$$\approx \frac{0.09}{5.78 \times 10^5} \times 100\% = 1.56\%$$

(1)  $\rightarrow$  One Candidate votes (won) = 58%  
 $\rightarrow$  The other won = 100 - 58 = 42%

$$= \frac{58}{100} \times \text{Total votes} - \frac{42}{100} \times \text{Total votes}$$

$$= 18,336$$

$$= \frac{16}{100} \times \text{Total votes} = 18,336$$

$$\text{Total votes} = 1,14,600$$

$$= \frac{58}{100} \times 1,14,600 = 66,468 \text{ and}$$

$$\frac{42}{100} \times 1,14,600 = 48,132 \text{ votes}$$

Maximum marks =  $x$

Passing marks =  $125 + 15$

=  $140$

25% of  $x = 140$

$$\frac{25}{100} \times x = 140$$

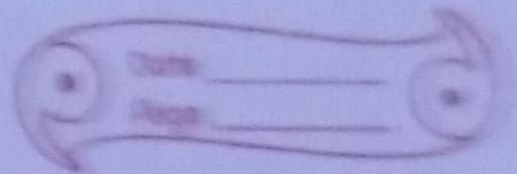
$$x = \frac{140 \times 100}{25}$$

$$x = 560$$

17) Original no.  $\times \left(1 + \frac{20}{100}\right) \times \left(1 - \frac{20}{100}\right)$

$$= 8000 \times \frac{120}{100} \times \frac{80}{100}$$

$$= 7680$$



$$(18) \text{ Original no } \times \left(1 - \frac{25}{100}\right) \times \left(1 + \frac{25}{100}\right)$$

$$= 12000 \times \left(\frac{75}{100}\right) \times \left(\frac{125}{100}\right) = 11,250$$